


***Research and Development***
***Advanced Products for Global Market***

White Eagle ®

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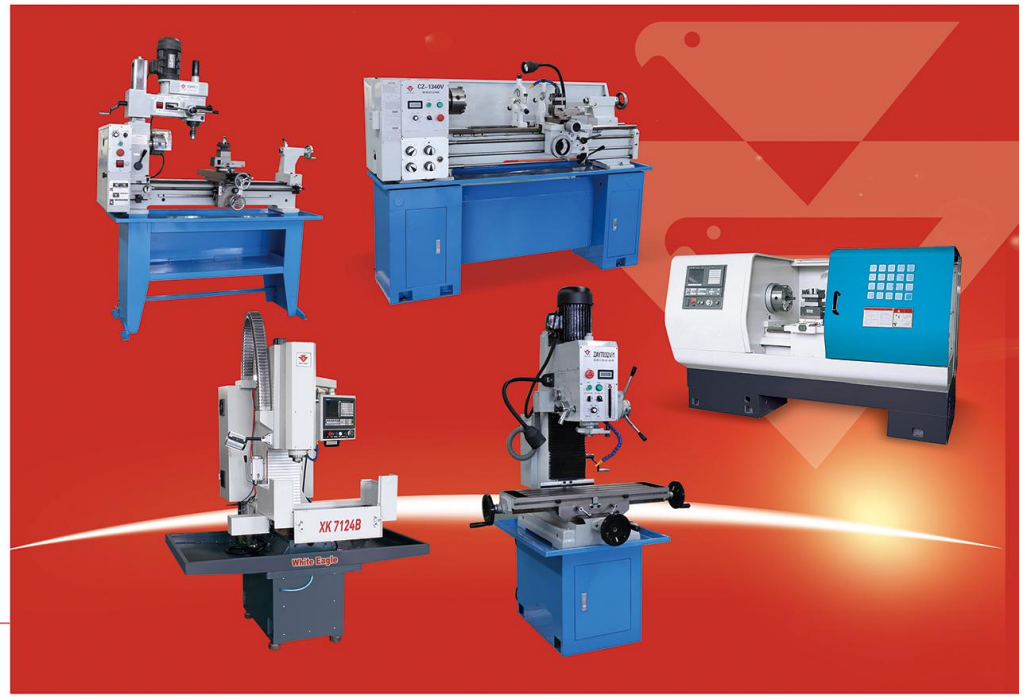
*2018版*

- *HORIZONTAL MACHINE CENTER*
- *VERTICAL MACHINE CENTER*
- *CNC MILLING MACHINE*
- *CNC LATHE MACHINE*
- *LATHE/MILLING/DRILLING MACHINE*
- *MACHINE ACCESSORIES AND OTHERS*

White Eagle ®

## ANHUI CHIZHOU HOUSEHOLD MACHINE TOOL CO., LTD




# *Product Catalogue*

# COMPANY PROFILE

The Anhui White Eagle Group includes four manufacturers, which are Anhui Chizhou Household Machine Tool Co. LTD, AVIA (SINO-POLAND) Machinery Co. Ltd, Anhui White Eagle Precision Machinery CO., Ltd, Anhui Kayhui CNC Technology Co., Ltd, and Trading Company as well as Anhui Jiuhua CNC Machine Tool Researching and Designing Institution. The Group covers a land area of 355,000m$^2$ and building area of 180,000 m$^2$。 There are more than 500 sets of various production equipments, such as the imported Gantry Type Pentahedron Machining Center, Precision Guide-way Grinders, CNC Gantry Milling Machine, Vertical Machining Center, Horizontal Machining Center, CNC lathe, CNC Universal Grinding Machine, CNC Milling Machine, and more than 40 high technological advanced equipments. Products are sold at domestic and international market. Our sale area becomes a global network, which includes more than 130 countries and regions .Products are widely used in aerospace, automotive, shipbuilding, electric power, mold manufacturing, textile, information industry, general machinery, and other fields.

The White Eagle Group regards the quality as its life. Our Trademark " White Eagle" is identified as Chinese Famous Trademark by Chinese State Administration for Industry and Commerce .We has successively won the ISO9001 Quality Management System Certificate, CE certificate, Famous Trademark Certificate of Anhui Province, and are given many honors, such as State-level Newly Products, Brand-name Products in Anhui Province, Export brand-name products, National first class enterprise of industrial export products, and Provincial excellent private technology enterprise.

The Group' s advanced products include Vertical Machining Center, Horizontal Machining Center, CNC Drilling and Milling Machine, CNC Lathe, and General Medium-type Machinery. Depending on the best quality and performance, our products are welcomed in domestic and international market.








# Honor and Certificate












The honor is the motivation for us to keep improving our products and services.



# Manufacturing Equipment

White Eagle®



With the White Eagle Group' s fast development, We import many high accuracy equipment to make sure our production. We believe the new generation of those equipment will definitely improve our product' s quality, accuracy, and efficiency.

BETTER EQUIPMENT, BETTER QUALITY.

## Manufacturing Capability





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CNC Milling Machine



P09

Small Vertical Machine Center



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Vertical Machine Center



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Vertical Milling/Turning Center


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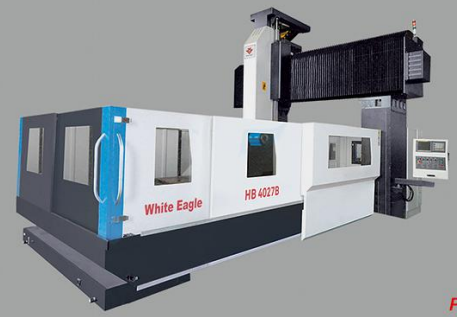
Horizontal Machine Center



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Gantry Machine Center



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Precision Bench Lathe


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Multi-Purpose Machine


P54

Drilling & Milling Machine



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Upright Drilling Machine


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Vertical & Horizontal Milling Machine


## Professional solutions

White Eagle, to provide customers with not just a product, we are committed to the manufacturing industry to provide professional solutions. Through the application of advanced and applicable product technology, high-tech software technology, and a variety of products designed to enhance the performance and efficiency of accessories, white eagle machine for customers to grasp the market opportunities.

## XK7124 XK7124A XK7124B




### FEATURES

- 4 Pcs Tool stations on worktable with high efficiency. It can finish all process of surface machining, holemachining and tapping by clamping workpiece.
- High and low step speeds available and stronger torque for low step speed.
- 3 axis transmission by precision ball leadscrew, servo motor driven.
- Two styles of tool change available, manuallypneumatically.
- Various famous CNC controllers supplied with for more choice.
- Machine stand and machine body are designed separately for easy and flexible installment by user.

### STANDARD ACCS.

- Coolant system
- Working lamp
- Manual lubricating system
- Siemens Controller system

### OPTIONAL ACCS.

- Automatic lubricating sustem
- GSK, Fanuc
- Tool-released and clamped pneumatically
- Heightened column(Z travel:50-550mm)
- 900x240mm worktable
- 160mm Parallel vise
- Tool holder
- Machine stand made of iron casting

### Specification

| | Model | XK7124 / XK7124A | XK7124B |
|---|---|---|---|
| Worktable | Size of worktable(L × W) (mm) | 800 x 240 | 800 x 240 |
| | | 900 x 240 Optional | 900 x 240 Optional |
| | T slot (width x qty x spaces) (mm) | 16 x 3 x 60 | 16 x 3 x 60 |
| | Max loading weight on worktable (kg) | 60 | 60 |
| Travel | X/Y/Z-Axis travel (mm) | 430x280x400 | 430x280x400 |
| | | 530x280x400 | 530x280x400 |
| | Distance between spindle nose and table (mm) | 60-460 | 50-450 |
| | | | 50-550 |
| | Distance between spindle center and column (mm) | 297 | 297 |
| Spindle | Spindle speed (r/min) | 100-900/900-2500 | 100-6000 |
| | Spindle taper | BT30 | BT30 |
| | Tool clamping way | Manual/Pneumatic | Pneumatic |
| | ATC capacity(optional) | no | 4pcs Simple ATC |
| Feeding | Feeding speed (mm/min) | 0-2000 | 0-2000 |
| | Rapid feeding speed: X,Y,Z axis (m/min) | 6 | 6 |
| Accuracy | Positioning accuracy (mm) | 0.04 | 0.04 |
| | Repeatability accuracy (mm) | 0.02 | 0.02 |
| | Min. set unit (mm) | 0.01 | 0.01 |
| Motor | Main motor power (kw) | 1.5 ( A/C motor ) | 2.2/3.7 |
| | Feeding Motor power: X/Y/Z Axis (kw) | 1/1/1 | 1/1/1.5 |
| Tools | Max. size of tool (mm) | Φ60x175 | Φ60x175 |
| | Max. loading weight of Tool (kg) | 3.5 | 3.5 |
| Others | N.W (include machine stand) (kg) | 900 | 1000 |
| | Overall size(LxWxH) (mm) | 1640x1205x1950(2050) | 1640x1205x1950(2050) |
| | Packing size( L X W X H) (mm) | 1900x1620x2480(2580) | 1900x1620x2480(2580) |
| | Loading amount (20" ) | 3sets | 3sets |

Description and specification given in this catalogue are subject to modification without notice.





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## XK7125 XK7130

### FEATURES

- 4 Pcs Tool stations on worktable with high efficiency. It can finish all process of surface machining, holemachining and tapping by clamping workpiece.
- High and low step speeds available and stronger torque for low step speed.
- 3 axis transmission by precision ball leadscrew, servo motor driven.
- Two styles of tool change available, manuallypneumatically.
- Various famous CNC controllers supplied with for more choice.
- Machine stand and machine body are designed separately for easy and flexible installment by user.




### STANDARD ACCS.

- Coolant system
- Working lamp
- Manual lubricating system
- Siemens Controller system

### OPTIONAL ACCS.

- Automatic lubricating sustem
- GSK, Fanuc
- Tool-released and clamped pneumatically
- Heightened column (Z travel:50-550mm)
- 900x240mm worktable
- 160mm Parallel vise
- Tool holder
- Machine stand made of iron casting

### Specification

| | Model | XK7125 | XK7130 |
|---|---|---|---|
| Worktable | Size of worktable(L × W) (mm) | 800 x 240 | 800 x 240 |
| | T slot (width x qty x spaces) (mm) | 16 x 3 x 60 | 16 x 3 x 60 |
| | Max loading weight on worktable (kg) | 60 | 60 |
| Travel | X/Y/Z-Axis travel (mm) | 535x320x375 | 820x420x480 |
| | Distance between spindle nose and table (mm) | 50-425 | 60-540/40-520 |
| | Distance between spindle center and column (mm) | 345 | 486 |
| Spindle | Spindle speed (r/min) | 100-900/900-2500(6000/8000) | 100-4000(6000/8000) |
| | Spindle taper | BT30 | BT30/BT40 |
| | Tool clamping way | Manual | Pneumatic |
| | ATC capacity(optional) | Optional | 10 |
| Feeding | Feeding speed (mm/min) | 0-2000 | 0-2000 |
| | Rapid feeding speed: X,Y,Z axis (m/min) | 12 | 12 |
| Accuracy | Positioning accuracy (mm) | ±0.008 | ±0.008 |
| | Repeatability accuracy (mm) | ±0.005 | ±0.005 |
| | Min. set unit (mm) | 0.01 | 0.01 |
| Motor | Main motor power (kw) | 1.5/2.2 | 2.2/3.7 |
| | Feeding Motor power: X/Y/Z Axis (kw) | 1/1/1.5 | 1/1/1.5 |
| Tools | Max. size of tool (mm) | Φ60x175 | Φ60x250/Φ 80x250 |
| | Max. loading weight of Tool (kg) | 3.5 | 3.5/7 |
| Others | N.W (include machine stand) (kg) | 1700 | 2400 |
| | Overall size(LxWxH) (mm) | 1516x1764x1708 | 1980x1780x2270 |
| | Packing size( L X W X H) (mm) | 2100x1400x2200 ( steel pallet) | 2280x2030x2480 |
| | Loading amount (20" ) | 4sets | 3sets |

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VMC24L

## FEATURES

- Specially design for mini-size parts machining,
- With space occupied small, but very rigidity and precision marking;
- High-speed and precisely spindle unit with servo motor driven;
- X,Y,Z linear guideway, servo driven
- Supplied with Cloak' type ATC (10pcs) and concentrated all of functions as vertical machine





## STANDARD ACCS.

- Auto lubricating system
- Coolant system
- Working lamp
- Tool-released and clamped pneumatically
- Siemens 808D system
- Machine stand made of iron casting



Cloak ATC 10pcs

## OPTIONAL ACCS.

- Fanuc, GSK
- Heightened column(Z travel:50-550mm)
- 900x240mm worktable
- 160mm Parallel vise 160mm
- Tool holder




## Specification

| | Model | XK7124L/VMC24L | VMC25L | VMC530L | VMC420L |
|---|---|---|---|---|---|
| WORKTABLE | Size of worktable(L × W) (mm) | 810 x 240 | 1000 x 250 | 810 x 320 | 260 x 800 |
| | Max loading weight on worktable (kg) | 100 | 120 | 350 | 150 |
| | T slot (widthxqtyxspaces) (mm) | 16 x 3 x 60 | 16 x 3 x 60 | 14x 3 x 100 | 16x 3 x 63 |
| TRAVEL | X/Y/Z Axis travel (mm) | 380/240/370 (470 Optional) | 535/320/375 | 550/330/450 | 410/260/410 |
| SPINDLE | Distance between spindle nose and table (mm) | 60~430 | 50~425 | 100~585 | 90~500 |
| | Distance between spindle center and column (mm) | 309 | 345 | 370 | 315 |
| | Spindle speed (r/min) | 100~6000 | 4000(6000/8000) | 60~8000 | 60~8000 |
| | Spindle taper | BT30 | BT30 | BT30 | BT30 |
| | Tool clamping way | pneumatically | pneumatically | pneumatically | pneumatically |
| | ATC capacity(optional) (pcs) | 10 | 10 | 10 | 10 |
| FEEDING | Feeding speed (mm/min) | 0~2000 | 0~2000 | 1~10000 | 1~10000 |
| | Rapid feeding speed: X,Y,Z axis (mm/min) | 15 | 15 | 15 | 15 |
| ACCURACY | Positioning accuracy | 0.025 | ±0.008 | ±0.008 | ±0.008 |
| | Repeatability accuracy | 0.016 | ±0.005 | ±0.008 | ±0.008 |
| MOTOR | Main motor power (kw) | 2.2/3.7 | 1.5.2/2.2 | 5.5/7.5 | 3.7/5.5 |
| | Feeding Motor power: X/Y/Z Axis (kw) | 1.5/1.5/1.5 | 1/1/1 | 1/1/1 | 1/1/1 |
| TOOL | Max. size of tool (mm) | Φ60 × 175 | Φ60 × 175 | Φ80 × 250 | Φ60 × 175 |
| | Max. loading weight of Tool (kg) | 3.5 | 3.5 | 7 | 3.5 |
| OTHER | N.W (include machine stand) (kg) | 1000/1280 | 1700 | 3500 | 2000 |
| | Overall size(LxWxH) (mm) | 1770 x 1650x 1300 | 1516 x 1764x 1708 | 2000 x 1750x2100 | 1800 x 1650x2000 |
| | Packing size( L X W X H) (mm) | 1900 x 1620x 2480(2580) | 2250 x 1910x 2280 | 2100 x 1850x2100 | 1900 x 1750x2000 |
| | Loading amount | 6 Sets/40" GP | 6 Sets/40" GP | 6 Sets/40" GP | 6 Sets/40" GP |

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## FEATURES

- Use strong rigid casting steel. X/Y/Z axes are supplied with rectangular guide ways, medium frequency quenching and precisely grinding.
- Guide-ways are with plastic sticker, and be precisely scrapped.
- Original high speed and high precision TAIWAN spindle.
- Whole machine be equipped with imported P4 bearing.
- Coolant system equipped with pump of large flow and high lift pump to insure cooling under high-speed cutting.




VMC 1060

## Specification

| | Model | VMC540 | VMC650 | VMC750 | VMC850 | VMC1055 |
|---|---|---|---|---|---|---|
| TRAVEL | X / Y / Z Axis travel (mm) | 500/400/455 | 650/400/480 | 750/450/500 | 800/500/500 | 1000/550/600 |
| | Distance from spindle nose to worktable(mm) | 45-500 | 80-580 | 180-680 | 106-655 | 150-750 |
| | Distance from spindle center to column(mm) | 460 | 480 | 520 | 550 | 620 |
| WORKTABLE | T slot (width × No. × space)(mm) | 16×3×110 | 18×3×135 | 18×3×150 | 18×3×150 | 18×5×80 |
| | Worktable size ( L. mm × W. mm ) | 380×620 | 420×800 | 450×900 | 500×1050 | 550×1150 |
| | Max. loading on worktable(kg) | 300 | 500 | 600 | 600 | 800 |
| SPINDLE | Motor power(kw) | 3.7/5.5 | 5.5/7.5 | 7.5/11 | 7.5/11 | 7.5/11 |
| | Spindle speed(r.p.m.) | 60-8000 | 60-8000 | 60-8000 | 60-8000 | 60-8000 |
| | Spindle taper | BT40 | BT40 | BT40 | BT40 | BT40 |
| | Spindle bearing | P4 | P4 | P4 | P4 | P4 |
| FEEDING | 3 axes fast moving speed (m/min)(X&Y) | 18 | 18 | 18 | 18 | 18 |
| | 3 axes fast moving speed (m/min)(Z) | 15 | 15 | 15 | 15 | 15 |
| | Cutting feeding rate(mm) | 1-5000 | 1-5000 | 1-5000 | 1-5000 | 1-5000 |
| | X/Y axis ball screw ( diameter × space ) (mm) | 32mm×5 | 32mm×6 | 40×10 | 40×10 | 40×10 |
| | Z axis ball acrew ( diameter × space ) (mm) | 32mm×5 | 32mm×6 | 40×10 | 40×10 | 40×10 |
| | Min. set and moving unit(mm) | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| ATC | ATC type | Manipulator | Manipulator | Manipulator | Manipulator | Manipulator |
| | Time of tools automatic changing(near)(s) | 3 | 3 | 3 | 3 | 3 |
| | ATC capacity | 20 | 24 | 24 | 24 | 24 |
| | Max. diameter of tool(near)(mm)×Weight(kg)×Length(mm) | 80×7×300 | 80×7×300 | 80×7×300 | 80×7×300 | 80×7×300 |
| 3-AXIS ACCURACY | Position accuracy(300mm) | ±0.005 | ±0.005 | ±0.005 | ±0.005 | ±0.005 |
| | Repeated position accuracy(300mm) | ±0.003 | ±0.003 | ±0.003 | ±0.003 | ±0.003 |
| OTHER | Machine weight(kg) | 3200 | 4200 | 5500 | 5500 | 6000 |
| | Air pressure(kg/cm2) | 6 | 6 | 6 | 6 | 6 |
| | Power of cutting coolant pump(W) | 370 | 370 | 370 | 370 | 370 |
| | Power capacity(KVA) | 11 | 11 | 15 | 15 | 15 |
| | Overall size(L × W × H)(mm) | 2100×1750×2100 | 2600×2300×2500 | 2700×2300×2800 | 2700×2300×2600 | 2900×2300×2600 |
| | CNC controller system | FANUC、Mitsubishi、Siemens828D、GSK218M | | | | |

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## STANDARD ACCESSORIES

- FANUC control system
- Arm-type ATC
- Automatic lubricating system
- Spindle blowing device
- Guide-way telescopic cover
- Movable hand-wheel
- Hand-held air-gun
- Alarm light
- Coolant system
- Working light
- RS232 interface
- Level adjusting screws and block.
- Tool-box and manual

## OPTIONAL ACCESSORIES

- Spindle oil-cooling
- Rear flushing
- The 4th axis rotary table
- Chip conveyor
- Spindle centre water
- Electric-box refrigerator



3-coordinates measuring instrument to ensure the size of work-piece after being cut



Unitary machine gap and motor base to increase transmission rigidity

A recycled Roundness measuring instrument was adopted to correct roundness accuracy and geometric accuracy, with this to ensure the motion accuracy under three-dimensional space



| VMC1060 | VMC1360 | VMC1370 | VMC1580 | VMC1690 | VMC1890 | VMC2011 | VMC2511 |
|---|---|---|---|---|---|---|---|
| 1000/600/600 | 1300/600/600 | 1300/700/650 | 1500/800/700 | 1600/900/670 | 1800/900/680 | 2000/1100/800 | 2500/1100/800 |
| 180-780 | 180-780 | 150-800 | 170-870 | 170-840 | 160-840 | 250-1050 | 250-1050 |
| 600 | 650 | 785 | 800 | 950 | 950 | 1150 | 1150 |
| 18×5×120 | 18×5×120 | 18×5×152.5 | 22×5×135 | 22×5×165 | 22×5×165 | 22×7×150 | 22×7×150 |
| 600×1300 | 600×1500 | 710×1400 | 800×1700 | 900×1800 | 900×2000 | 1100×2300 | 1100×2700 |
| 800 | 800 | 1000 | 1500 | 1500 | 1600 | 4500 | 5000 |
| 11/15 | 11/15 | 15/18.5 | 15/18.5 | 15/18.5 | 15/18.5 | 15/18.5 | 18/22 |
| 60-8000 | 60-7000(6000) | 60-6000 | 60-6000 | 60-6000 | 60-8000 | 60-6000 | 60-6000 |
| BT40 | BT40(BT50) | BT50 | BT50 | BT50 | BT50 | BT50 | BT50 |
| P4 | P4 | P4 | P4 | P4 | P4 | P4 | P4 |
| 18 | 18 | 18 | 18 | 15 | 15 | 12 | 12 |
| 15 | 15 | 15 | 15 | 12 | 12 | 12 | 12 |
| 1-5000 | 1-5000 | 1-5000 | 1-5000 | 1-5000 | 1-5000 | 1-5000 | 1-5000 |
| 40×10 | 40×10 | 50×10 | 63×10 | 55×8 | 55×8 | 63×10 | 63×10 |
| 40×10 | 40×10 | 50×10 | 50×10 | 55×8 | 55×8 | 50×10 | 50×10 |
| 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| Manipulator | Manipulator | Manipulator | Manipulator | Manipulator | Manipulator | Manipulator | Manipulator |
| 3 | 3 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 80×7×300 | 80×7×300 | 127×15×450 | 127×15×540 | 127×15×300 | 127×15×300 | 127×15×300 | 127×15×300 |
| ±0.005 | ±0.005 | ±0.005 | ±0.005 | ±0.005 | ±0.005 | ±0.005 | ±0.005 |
| ±0.003 | ±0.003 | ±0.003 | ±0.003 | ±0.003 | ±0.003 | ±0.003 | ±0.003 |
| 7500 | 8500 | 10000 | 13000 | 14000 | 14000 | 19000 | 20000 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 |
| 20 | 20 | 30 | 30 | 35 | 35 | 35 | 40 |
| 3400×2750×2800 | 3750×2800×2800 | 4000×3200×3300 | 4290×3200×3500 | 4400×3500×3500 | 5000×3500×3500 | 5700×4100×3300 | 6500×4100×3300 |
| FANUC、Mitsubishi、Siemens828D、GSK218M | | | | | | | |

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CE TUV ISO9001:2000




## Features

- Precision linear guide-way for X /Y/Z axis , high speed of rapid moving and high efficient cutting;
- Optional rectangular sliding guide-way for Z axis , better anti-vibrating and stable in cutting;
- Swing-arm ATC can realize rapid tool change and suitable for the high-efficient machining;
- Imported TAIWAN original high speed high precision spindle;
- Whole machine be equipped with imported P4 bearing.

## Specification

| Model | | | VMC500L | VMC650L | VMC750L | VMC850L |
|---|---|---|---|---|---|---|
| TRAVEL | X / Y / Z Axis travel (mm) | | 500/350/400 | 650/400/460 | 750/450/500 | 800/500/550 |
| | Distance from spindle nose to worktable(mm) | | 100~500 | 150~610 | 100~600 | 150~700 |
| | Distance from spindle center to column(mm) | | 360 | 500 | 510 | 600 |
| WORKTABLE | T slot (width × No. × space)(mm) | | 12×3×150 | 14×3×150 | 18×3×150 | 18×5×100 |
| | Worktable size ( L. mm × W. mm ) | | 350×650 | 700×450 | 800×450 | 1000×500 |
| | Max. loading on worktable(kg) | | 200 | 400 | 600 | 600 |
| SPINDLE | Motor power(kw) | | 2.2/3.7 | 5.5/7.5 | 5.5/7.5 | 7.5/11 |
| | Spindle speed(r.p.m.) | | 60~10000 | 60~8000 | 60~8000 | 60~8000 |
| | Spindle taper | | BT30 | BT40 | BT40 | BT40 |
| | Spindle bearing | | P4 | P4 | P4 | P4 |
| FEEDING | 3 axes fast moving speed | (m/min)(X&Y) | 24 | 24 | 30 | 30 |
| | | (m/min)(Z) | 18 | 18 | 124 | 24 |
| | Linear guideway (X/Y/Z) | | 25/25/25 | 35/35/35 | 45/45/45 | 35/45/45 |
| | Cutting feeding rate(mm) | | 1~5000 | 1~5000 | 1~10000 | 1~10000 |
| | Min. set and moving unit(mm) | | 0.001 | 0.001 | 0.001 | 0.001 |
| | Pitch of X/Y axes | | 10 | 12 | 12 | 12 |
| | Pitch of Z axis | | 10 | 12 | 12 | 12 |
| 3-AXIS ACCURACY | Position accuracy(300mm) | | ±0.003 | ±0.005 | ±0.005 | ±0.005 |
| | Repeated position accuracy(300mm) | | ±0.002 | ±0.003 | ±0.003 | ±0.003 |
| ATC | ATC type | | Cloak ATC | Manipulator | Manipulator | Manipulator |
| | ATC capacity | | 12 | 24 | 24 | 24 |
| | Max. diameter of tool(near)(mm) × Weight(kg) × Length(mm) | | 80×7×300 | 80×7×300 | 80×7×300 | 80×7×300 |
| | Time of tools automatic changing(near)(s) | | 3 | 3 | 3 | 3 |
| OTHER | Machine weight(kg) | | 2500 | 5000 | 5500 | 6000 |
| | Air pressure(kg/cm2) | | 6 | 6 | 6 | 6 |
| | Power of cutting coolant pump(W) | | 370 | 370 | 370 | 370 |
| | Power capacity(KVA) | | 8 | 10 | 12 | 15 |
| | Overall size(L × W × H)(mm) | | 2000×1750×2100 | 2600×2300×2600 | 2700×2300×2600 | 2800×2300×2600 |
| | CNC controller system | | FANUC、Mitsubishi、Siemens828D、GSK218M | | | |

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CE TÜV ISO9001:2000



White Eagle®

## Standard ACCS.

- FANUC control system
- Automatic lubricating system
- Spindle blowing device
- Guide-way telescopic cover
- Movable hand-wheel
- Hand-held air-gun
- Alarm light
- Working light
- RS232 interface
- Level adjusting screws and block.
- Tool-box and manual

## Optional ACCS.

- Spindle oil-cooling
- Arm-type ATC
- Rear flushing
- The 4th axis rotary table
- Chip conveyor
- Spindle centre water
- Electric-box refrigerator


Oil-water separating design of castings improves cutting quality


Block saddle Motor, overall type, to improve the transmission rigidity

| VMC1055L | VMC1160L | VMC1165L | VMC1370L | VMC1580L | VMC1690L | VMC1890L |
|---|---|---|---|---|---|---|
| 1000/550/600 | 1100/600/700 | 1100/650/650 | 1300/700/650 | 1500/800/700 | 1600/900/670 | 1800/900/720 |
| 150~750 | 120~820 | 150~800 | 150~800 | 170~870 | 170~840 | 160~880 |
| 620 | 655 | 750 | 785 | 800 | 950 | 950 |
| 18×5×80 | 18×5×100 | 18×5×120 | 12×3×152.5 | 22×5×135 | 22×5×165 | 22×5×165 |
| 1150×550 | 1300×600 | 1300×650 | 700×1400 | 800×1700 | 900×1800 | 900×1500 |
| 750 | 800 | 1000 | 1000 | 1500 | 1600 | 1700 |
| 7.5/11 | 11/15 | 11/15 | 15/18 | 15/18 | 15/18 | 15/18 |
| 60~8000 | 60~8000 | 60~8000 | 60~6000 | 60~6000 | 60~6000 | 60~6000 |
| BT40 | BT40 | BT40 | BT50 | BT50 | BT50 | BT50 |
| P4 | P4 | P4 | P4 | P4 | P4 | P4 |
| 30 | 24 | 24 | 24 | 20 | 20 | 20 |
| 20 | 20 | 20 | 24 | 15 | 15 | 15 |
| 35/45/45 | 45/45/45 | 45/45/45 | 45/45/45 | 55/45/45 | 55/45/45 | 55/45/45 |
| 1~10000 | 1~10000 | 1~10000 | 1~10000 | 1~5000 | 1~5000 | 1~5000 |
| 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| 12 | 12 | 12 | 12 | 10 | 12 | 12 |
| 12 | 12 | 12 | 12 | 10 | 12 | 12 |
| ±0.005 | ±0.005 | ±0.005 | ±0.005 | ±0.005 | ±0.005 | ±0.005 |
| ±0.003 | ±0.003 | ±0.003 | ±0.003 | ±0.003 | ±0.003 | ±0.003 |
| Manipulator | Manipulator | Manipulator | Manipulator | Manipulator | Manipulator | Manipulator |
| 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 80×7×300 | 80×7×300 | 80×7×300 | 127×15×300 | 127×15×300 | 127×15×300 | 127×15×300 |
| 3 | 3 | 3 | 3.5 | 3.5 | 3.5 | 3.5 |
| 7500 | 7500 | 8000 | 10000 | 14000 | 15000 | 16000 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 370 | 370 | 370 | 370 | 370 | 370 | 370 |
| 20 | 20 | 20 | 25 | 30 | 35 | 35 |
| 3000×2350×2600 | 3600×2900×2950 | 3600×2900×2950 | 4000×3200×3300 | 4290×3200×3500 | 4400×3500×3500 | 5000×3500×3500 |
| FANUC、Mitsubishi、Siemens828D、GSK218M | | | | | | |

Description and specification given in this catalogue are subject to modification without notice.

CE TÜV ISO9001:2000

## CJK6132x1000mm
**ECONOMIC TYPE**




## CK6136x500mm
**HEAVY-DUTY TYPE**




Specification

| ITEM | | CJK6132 | CK6136 |
|---|---|---|---|
| Swing over bed | | Φ320mm | Φ360mm |
| Swing over carriage | | Φ130mm | Φ130mm |
| D-sta-ce between centers | | 500mm/750mm/1000mm | 500mm/750mm/1000mm |
| Spindle taper | | M.T.5 | through hole |
| Spindle bore | | Φ38mm | Φ51mm |
| Ra-ge of speed variable | | 100~2500r/min | 100~2500r/min |
| Feed motor power (X/Z) | | 4N.M/6N.M | 4N.M/6N.M |
| X-ap-d-ra-erse | | 5m/min | 6m/min |
| Z rap-d traverse | | 10m/min | 6m/min |
| Max. travel of X axis | | 160mm | 170mm |
| Max. tra-e-of Z axis | | 400mm/650mm/900mm | 400mm/650mm/900mm |
| Motor power | | 3Kw | 3Kw |
| Tool-post | | 4 stations | 4 stations |
| Max.tool size | | 16×16mm | 16×16mm |
| Mini p-t u-t | | 0.001mm | 0.001mm |
| repeatab l ty accuracy X/Y) | | 0.016mm | 0.016mm |
| Barrel travel of tailstock | | 150mm | 130mm |
| Barrel taper of ta-stock | | M.T.3 | M.T.3 |
| Overall size (LxWxH) | 500mm | 1850x1100x1650mm | 1850x1200x1650mm |
| | 750mm | 1900x1100x1650mm | 1900x1200x1650mm |
| | 1000mm | 2300x1100x1650mm | 2300x1200x1650mm |
| Packing size (LxWxH) | 500mm | 2200x1150x1850mm | 2200x1420x1850mm |
| | 750mm | 2300x1150x1850mm | 2300x1420x1850mm |
| | 1000mm | 2380x1150x1850mm | 2380x14250x1850mm |
| N/G Weight | 500mm | 800kgs | 1400kgs |
| | 750mm | 900kgs | 1500kgs |
| | 1000mm | 1000kgs | 1600kgs |
| Loading amount/20" Container | 500mm | 5 sets | 4 sets |
| | 750mm | 5 sets | 4 sets |
| | 1000mm | 4 sets | 2 sets |

Description and specification given in this catalogue are subject to modification without notice.





White Eagle®

## CJK6132x1000mm
## CK6136x500mm

### FEATURES

- The machine can process precisely internal or external diameter, face, taper, arc and threading with high efficiency
- Standard toolpost is 4-stations, also 6-stations toolpost can be optional selection
- Spindle speed changed by frequency
- Induction harden bed-way. Bed saddle with plastic sticker can improve the accuracy and service life of the machine
- The spindle is supported by imported precision bearings
- Normally machine is provided with 3-jaw chuck. According to customer's optional selection, hydraulic chuck or pneumatic chuck also can be supplied

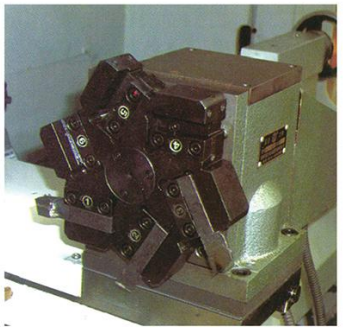


### STANDARD ACCS.

- 3-jaw chuck and tool post wrench
- Allen wrench
- Electrical tool post (4 station)
- Cooling system
- Manual lubricating system
- Working lamp
- GSK CNC controller system
- Iron casting stand (for model CK6136)

### OPTIONAL ACCS.

- 6-stations toolpost
- Pneumatic chuck
- Hydraulic chuck
- Bar auto-feeding device (Only for model CK6136)
- Controller system Siemens 808D
- Auto-lubricating system






## FEATURES

- Machine are made of high intensional cast iron with good aseismatic and high rigidity
- Spindle of heavy-cutting structure to achieve high rigidity and high precision
- With electrical turret , it can achieve high positioning, fast speed for toolchange and high performance
- With feeding motor and leadscrew for type of direct connection ,it can assure the machining precision and positioning accuracy
- Tailstock can be adopted by hydraulic driving to make sleeve travel bigger and easy operation.
- Complete closed cover can protect the iron scraps splashing out .

## Specification

| | Model | CK6125 | CK6130 | CK6136 | CK6136B | CK6140 |
|---|---|---|---|---|---|---|
| CAPACITY | Max. swing over bed(mm) | Φ250 | Φ300 | Φ360 | Φ360 | Φ400 |
| | Max. swing over toolpost(mm) | Φ90 | Φ110 | Φ150 | Φ180 | Φ220 |
| | Distance between centers(mm) | | | 500、750、1000 | 765 | 750、1000、1500、2000 |
| | Max. machining length(mm) | 280 | 400 | 500、750、1000 | 650 | 750、1000、1500、2000 |
| SPINDLE AND CHUCK | Chuck size(mm) | collet/160 | collet/160 | Φ160 | Φ200 | Φ200 |
| | Spindle nose and taper style | inner taper/A2-5 | inner taper/A2-5 | A2-5 | D-6 | C-6 |
| | Spindle speed range | 60-3000 | 60-3000 | 60-2500 | 60-2600 | 60-2600 |
| | Spindle bore dia.(mm) | Φ48 | Φ48 | Φ51 | Φ57 | Φ55 |
| | Spindle power | 3.0 | 3.0 | 3.0 | 5.5 | 5.5 |
| | Max. bar feeding dia.(mm) | Φ38 | Φ38 | Φ45 | Φ46 | Φ48 |
| FEED | Rapid traverse speed(X/Z) | 4/6 | 4/6 | 6/8 | 6/8 | 6/8 |
| TURRET | Stations No. | 4 | 4 | 4、6 | 4、6 | 4、6 |
| ACCURACY | X/Z Accuracy of positioning repeatability | 0.01/0.012 | 0.01/0.012 | 0.01/0.012 | 0.01/0.012 | 0.01/0.012 |
| TAILSTOCK | Quill diameter(mm) | | | Φ50 | Φ60 | Φ75 |
| | Quill travel(mm) | | | 120 | 120 | 150 |
| | Taper of quill | | | M.T4 | M.T4 | M.T4 |
| OTHERS | Guideway width(mm) | 230 | 300 | 206 | 320 | 340 |
| OVERALL SIZE AND WEIGHT | Overall size(L*W*H)mm | 1600 x 1400 x 1500 | 1900 x 1600 x 1700 | 500 1850x1100x1650<br>750 1900x1100x1650<br>1000 2300x1100x1650 | 2100 x 1500 x 1600 | 750 2200 x 1550 x 1600<br>1000 2600 x 1550 x 1600<br>1500 3100 x 1550 x 1600 |
| | Net weight | 1200 | 1600 | 500 1450<br>750 1500<br>1000 1600 | 1700 | 750 1800<br>1000 2000<br>1500 2250 |

Description and specification given in this catalogue are subject to modification without notice.





## STANDARD ACCS.

- Manual 3-jaw chuck
- Alarm lamp
- Working lamp
- Automatic lubricating system
- Coolant system
- 4-station electric toolpost


Hydraulic 3-jaw chuck


Rotary oil cylinder


6-station electric toolpost

## OPTIONAL ACCS.

- Hydraulic 3-jaw chuck
- Rotary oil cylinder
- Automatic bar-feeder
- Collets
- Automatic safety door
- Hydraulic tailstock
- Auto chip conveyor


Bar auto-feeding

## Specification

| CK6140A | CK6150B | | CK6163 | | CK618 0 | |
|---|---|---|---|---|---|---|
| Φ420 | Φ500 | | Φ630 | | Φ800 | |
| Φ230 | Φ290 | | Φ400 | | Φ480 | |
| 750 | 750、1000、1500、2000 | | 1000、1500、2000 | | 1000、1500 | |
| 750 | 750、1000、1500、2000 | | 1000、1500、2000 | | 1000、1500 | |
| Φ200 | Φ250 | | Φ320 | | Φ380 | |
| A2-6 | D8 | | C-11 | | C-11 | |
| 60-2800 | two steps 44-265/265-1600 | | three steps 40-950 | | three steps 40-950 | |
| Φ70 | Φ82 | | Φ100 | | Φ100 | |
| 5.5 | 7.5 | | 11 | | 11/15 | |
| Φ65 | Φ78 | | Φ96 | | Φ96 | |
| 6/8 | 6/8 | | 6/8 | | 6/8 | |
| 4、6 | 4、6、8 | | 4、6、8 | | 4、6、8 | |
| 0.01/0.012 | 0.01/0.012 | | 0.01/0.012 | | 0.01/0.012 | |
| Φ52 | Φ75 | | Φ95 | | Φ95 | |
| 120 | 150 | | 250 | | 250 | |
| M.T4 | M.T5 | | M.T5 | | M.T5 | |
| 340 | 390 | | 390 | | 390 | |
| | 750 | 2300 x 1600 x 1800 | 1000 | 3400 x 1600 x 1900 | 1000 | 3800 x 1700 x 1950 |
| 2400 x 1500 x 1600 | 1000 | 2700 x 1600 x 1800 | 1500 | 3900 x 1600 x 1900 | 1500 | 4200 x 1700 x 1950 |
| | 1500 | 3200 x 1600 x 1800 | 2000 | 4400 x 1600 x 1900 | 2000 | 4800 x 1700 x 1950 |
| | 750 | 2300 | 1000 | 4000 | 1000 | 3900 |
| 2500 | 1000 | 2400 | 1500 | 4200 | 1500 | 4200 |
| | 1500 | 2600 | 2000 | 4500 | 2000 | 4600 |

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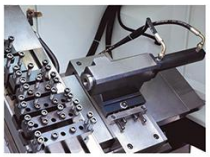


Gang tool



T8 toolpost









T12 toolpost

## FEATURES

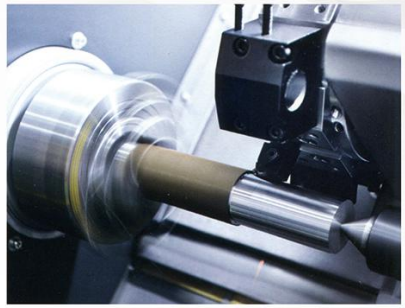
- The machine is equipped with 45°integrated design with good aseismatic and high rigidity;
- Spindle with the integrated quill structure, it can achieve high speed swing, high rigidity and precision;
- With hydraulic turret, it can achieve high positioning, fast speed for tool change and high performance;
- Direct connection adopted on feeding motor and leadscrew, it can assure the machining precision and positioning accuracy;
- Tailstock can be adopted by hydraulic driving to make sleeve travel bigger and easy operation;
- Complete closed cover can protect the iron scraps splashing out.

## STANDARD ACCS.

- Hollow hydraulic 3-jaw chuck
- Standard soft jaw
- Hollow rotary oil cylinder
- Alarm lamp
- Pedal switch
- Automatic lubricating system
- Oil pressure system
- Cooling system
- Hydraulic turret
- Hydraulic tailstock

## OPTIONAL ACCS.

- Automatic bar-feeder
- Chip conveyor
- Collets
- Automatic safety door
- Standard hard jaw
- Servo turret



## Specification

| | Model | CK28 | CK30 | | CK35 | | CK36 | | |
|---|---|---|---|---|---|---|---|---|---|
| Main data | Max. swing over bed(mm) | Φ280 | Φ300 | Φ300 | Φ350 | Φ350 | Φ360 | | Φ360 |
| | Max. diameter of work-piece(mm) | Φ220 | Φ300 | Φ240 | Φ320 | Φ320 | Φ360 | | Φ360 |
| | Max. swing over toolpost(mm) | Φ490 | Φ120 | Φ120 | Φ130 | Φ130 | Φ180 | | Φ200 |
| | Max. machining length(mm) | 200 | 300 | 120 | 220 | 180 | 300 | 400 | 500 |
| | Distance between centers(mm) | | | | | | | | 600 |
| Spindle & chuck | Spindle nose style | | A2-4 | | A2-4 | A2-5 | A2-5 | A2-6 | A2-5 |
| | Hydraulic chuck | #20 collet | Φ135 | | Φ135 | Φ169 | Φ169 | Φ210 | Φ160 |
| | Spindle motor(kW) | 2.2/3.7 | 3.7/5.5 | | 5.5/7.5 | | 5.5/7.5 | 7.5/11 | 5.5/7.5 |
| | Max. spindle speed (rpm) | 6000 | 4200/5500 | | 4500 | | 4500 | 3600 | 6000 |
| | Spindle bore diameter(mm) | Φ25 | Φ41 | | Φ46 | Φ56 | Φ56 | Φ61 | Φ56 |
| | Bar auto-feeding bore(mm) | Φ24 | Φ30 | | Φ34 | Φ45 | Φ45 | Φ45 | Φ45 |
| Travel | X/Z axes spec.(mm) | 250/250 | 280/300 | | 380/330 | | 380/330 | 300/400 | 230/600 |
| | Rapid travel of X/Z axes(m/min) | 12/16 | 12/16 | | 12/16 | | 12/16 | | 12/16 |
| Precision | Position accuracy of X/Z axes(300mm) | ±0.005/±0.005 | ±0.005/±0.005 | | ±0.005/±0.005 | | ±0.005/±0.005 | | ±0.005/±0.005 |
| | Repeated position accuracy of X/Z axes(300mm) | ±0.003/±0.003 | ±0.003/±0.003 | | ±0.003/±0.003 | | ±0.003/±0.003 | | ±0.003/±0.003 |
| Toolpost | Toolpost station | Gang tool | Gang tool | T8 toolpost | Gang tool | T8 toolpost | Gang tool | T8 toolpost | T8 toolpost |
| Tailstock | Barrel travel of tailstock (mm) | No tailstock | No tailstock | No tailstock | No tailstock | No tailstock | No tailstock | | Φ72 |
| | Barrel tapper of tailstock(mm) | | | | | | | | 100 |
| | Max. travel of tailstock(mm) | | | | | | | | 600 |
| | Max tapper of tailstock(mm) | | | | | | | | M.T.4 |
| Packing | Overall size (L*W*H)(mm) | 2400×1450×1550 | 2500×1500×1600 | 2500×1500×1600 | 2600×1500×1600 | 2600×1500×1600 | 2800×1700×1700 | | 2700×1770×2320 |
| Weight | Machine weight(kg) | 1800 | 2000 | 2000 | 2000 | 2000 | 3000 | | 3100 |

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| CK40 | | CK45 | | CK50 | | CK55 | CK55 | CK63 | CK80 |
|---|---|---|---|---|---|---|---|---|---|
| Φ400 | | Φ450 | Φ450 | Φ500 | Φ500 | Φ550 | Φ580 | Φ630 | Φ800 |
| Φ300 | | Φ400 | Φ360 | Φ420 | Φ500 | Φ500 | Φ580 | Φ630 | Φ650 |
| Φ250 | | Φ220 | Φ300 | Φ250 | Φ320 | Φ300 | Φ360 | Φ360 | Φ380 |
| 370 | 300 | 450 | 400 | 750、1000 | 580 | 680 | 960 | 960 | 800 |
| | 400 | 550 | 750 | 800、1100 | 670 | 850 | 1320 | 1320 | 1210 |
| A2-5 | A2-6 | A2-6 | A2-6 | A2-6 | A2-8 | A2-8 | A2-8 | A2-8 | A2-11 |
| Φ169 | Φ210 | Φ210 | Φ210 | Φ210 | Φ254/304 | Φ254/304 | Φ254/304 | Φ254/304 | Φ304/380 |
| 7.5/11 | 7.5/11 | 7.5/11 | 7.5/11 | 7.5/11 | 11/15 | 15/18 | 15/18 | 15/18 | 18/22 |
| 4500 | 3000 | 4500 | 3000 | 4500 | 2600 | 2600 | 2600 | 2600 | 2000 |
| Φ56 | Φ57 | Φ61 | Φ57 | Φ61 | Φ87 | Φ87 | Φ87 | Φ87 | Φ100 |
| Φ45 | Φ45 | Φ45 | Φ45 | Φ45 | Φ75 | Φ75 | Φ75 | Φ75 | Φ88 |
| 470/400 | 160/400 | 470/400 | 160/500 | 250/850、1150 | 250/620 | 300/850 | 350/1120 | 350/1120 | 350/1110 |
| 12/16 | | 12/16 | | 12/16 | | 12/16 | 12/16 | 12/16 | 12/16 |
| ±0.005/±0.005 | | ±0.005/±0.005 | | ±0.005/±0.005 | | ±0.005/±0.005 | ±0.005/±0.005 | ±0.005/±0.005 | ±0.005/±0.005 |
| ±0.003/±0.003 | | ±0.003/±0.003 | | ±0.003/±0.003 | | ±0.003/±0.003 | ±0.003/±0.003 | ±0.003/±0.003 | ±0.003/±0.003 |
| Gang tool | T8 toolpost | Gang tool | T8/T10/T12 toolpost | T8/T10/T12 toolpost | T8/T10/T12 toolpost | T8/T10/T12 toolpost | T8/T10/T12 toolpost | T8/T10/T12 toolpost | T8/T10/T12 toolpost |
| No tailstock | Φ65 | No tailstock | Φ65 | Φ72 | Φ100 | Φ90 | Φ100 | Φ100 | Φ90 |
| | 80 | | 80 | 100 | 120 | 120 | 120 | 120 | 120 |
| | 300 | | 710 | 830 | 670 | 750 | 1250 | 1250 | 1280 |
| | M.T.4 | | M.T.4 | M.T.4 | M.T.5 | M.T.5 | M.T.5 | M.T.5 | M.T.5 |
| 3000×1700×1800 | | 3320×1600×1830 | | 3870×1740×1760 | | 3170×1780×1800 | 3720×2150×2050 | 3720×2220×2150 | 3150×1850×1950 |
| 3200 | | 4000 | | 4200 | 4300 | 5000 | 5600 | 5800 | 6300 |

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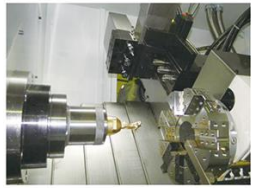





Driving Tools



## Specification

| | Model | CKM28 | CKM30 | CKM35 | CKM36 | CKM40 | CKM45 |
|---|---|---|---|---|---|---|---|
| Main data | Max. swing over bed(mm) | Φ280 | Φ300 | Φ350 | Φ360 | Φ400 | Φ450 |
| | Max. diameter of work-piece(mm) | Φ220 | Φ300 | Φ320 | Φ360 | Φ300 | Φ400 |
| | Max. swing over toolpost(mm) | Φ490 | Φ120 | Φ130 | Φ180 | Φ250 | Φ220 |
| | Max. machining length(mm) | 200 | 300 | 220 | 300 | 370 | 450 |
| | Distance between centers(mm) | | | | | | |
| Spindle & chuck | Spindle nose style | | A2-4 | A2-4 | A2-5 | A2-5 | A2-6 |
| | Hydraulic chuck | #20 collet | Φ135 | Φ135 | Φ169 | Φ169 | Φ210 |
| | Spindle motor(kW) | 2.2/3.7 | 3.7/5.5 | 5.5/7.5 | 5.5/7.5 | 7.5/11 | 7.5/11 |
| | Max. spindle speed (rpm) | 6000 | 4200/5500 | 4500 | 4500 | 4500 | 4500 |
| | Spindle bore diameter(mm) | Φ25 | Φ41 | Φ46 | Φ56 | Φ56 | Φ61 |
| | Bar auto-feeding bore(mm) | Φ24 | Φ30 | Φ34 | Φ45 | Φ45 | Φ45 |
| Collet | Collet style | ER20 | ER20 | ER20 | ER20 | ER20 | ER20 |
| | Number of axial and radial motion | 2+2 | 2+2 | 2+3 | 2+3 | 3+3 | 3+3 |
| Travel | X/Z axes spec.(mm) | 250/250 | 280/300 | 380/330 | 380/330 | 470/400 | 470/400 |
| | Rapid travel of X/Z axes(m/min) | 12/16 | 12/16 | 12/16 | 12/16 | 12/16 | 12/16 |
| Precision | Position accuracy of X/Z axes(300mm) | ±0.005/±0.005 | ±0.005/±0.005 | ±0.005/±0.005 | ±0.005/±0.005 | ±0.005/±0.005 | ±0.005/±0.005 |
| | Repeated position accuracy of X/Z axes(300mm) | ±0.003/±0.003 | ±0.003/±0.003 | ±0.003/±0.003 | ±0.003/±0.003 | ±0.003/±0.003 | ±0.003/±0.003 |
| Toolpost | Toolpost station | Gang tool | Gang tool | Gang tool | Gang tool | Gang tool/Toolpost | Gang tool/Toolpost |
| Tailstock | Barrel travel of tailstock (mm) | No tailstock | No tailstock | No tailstock | No tailstock | No tailstock | No tailstock |
| | Barrel tapper of tailstock(mm) | | | | | | |
| | Max. travel of tailstock(mm) | | | | | | |
| | Max tapper of tailstock(mm) | | | | | | |
| Packing | Overall size (L*W*H)(mm) | 2400×1450×1550 | 2500×1500×1600 | 2600×1500×1600 | 2800×1700×1700 | 3000×1700×1800 | 3320×1600×1830 |
| Weight | Machine weight(kg) | 1800 | 2000 | 2000 | 3000 | 3200 | 4000 |

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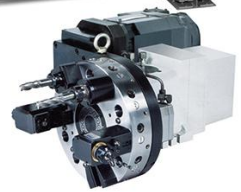


### SERVO TURRET

- Servo Motor
- Hydraulic locking

### DRIVING TOOLS

- Tool model : VDI30/40/50;
- Max. speed : 5000RPM ;
- Driving motor : Servo motor

### STANDARD ACCS.

- Hollow hydraulic 3-jaw chuck
- Standard soft jaw
- Hollow rotary oil cylinder
- Alarm lamp
- Pedal switch
- Automatic lubricating system
- Oil pressure system
- Cooling system
- Hydraulic turret
- Hydraulic tailstock

### OPTIONAL ACCS.

- Automatic bar-feeder
- Chip conveyor
- Collets
- Automatic safety door
- Standard hard jaw
- Servo turret
- Y-axis
- Double spindle
- Double turret

## Specification

| | Model | CKM50 | CKM55 | CKM58 | CKM63 | CKM80 |
|---|---|---|---|---|---|---|
| Main data | Max. swing over bed(mm) | Φ500 | Φ550 | Φ580 | Φ630 | Φ800 |
| | Max. diameter of work-piece(mm) | Φ420 | Φ500 | Φ580 | Φ630 | Φ650 |
| | Max. swing over toolpost(mm) | Φ250 | Φ300 | Φ360 | Φ360 | Φ380 |
| | Max. machining length(mm) | 750、1000 | 680 | 960 | 960 | 800 |
| | Distance between centers(mm) | 800、1100 | 850 | 1320 | 1320 | 1210 |
| Spindle & chuck | Spindle nose style | A2-6 | A2-8 | A2-8 | A2-8 | A2-11 |
| | Hydraulic chuck | Φ210 | Φ254/304 | Φ254/304 | Φ254/304 | Φ304/380 |
| | Spindle motor(kW) | 7.5/11 | 15/18 | 15/18 | 15/18 | 18/22 |
| | Max. spindle speed (rpm) | 4500 | 2600 | 2600 | 2600 | 2000 |
| | Spindle bore diameter(mm) | Φ61 | Φ87 | Φ87 | Φ87 | Φ100 |
| | Bar auto-feeding bore(mm) | Φ45 | Φ75 | Φ75 | Φ75 | Φ88 |
| Travel | X/Z axes spec.(mm) | 250/850、1150 | 300/850 | 350/1120 | 350/1120 | 350/1110 |
| | Rapid travel of X/Z axes(m/min) | 12/16 | 12/16 | 12/16 | 12/16 | 12/16 |
| Precision | Position accuracy of X/Z axes(300mm) | ±0.005/±0.005 | ±0.005/±0.005 | ±0.005/±0.005 | ±0.005/±0.005 | ±0.005/±0.005 |
| | Repeated position accuracy of X/Z axes(300mm) | ±0.003/±0.003 | ±0.003/±0.003 | ±0.003/±0.003 | ±0.003/±0.003 | ±0.003/±0.003 |
| Toolpost | Toolpost station | T12 | T12 | T12 | T12 | T12 |
| | Toolpost model | VDI 30 | VDI 30/40 | VDI 30/40 | VDI 30/40/50 | VDI 30/40/50 |
| Tailstock | Barrel travel of tailstock (mm) | Φ72 | Φ90 | Φ100 | Φ100 | Φ90 |
| | Barrel tapper of tailstock(mm) | 100 | 120 | 120 | 120 | 120 |
| | Max. travel of tailstock(mm) | 830 | 750 | 1250 | 1250 | 1280 |
| | Max tapper of tailstock(mm) | M.T.4 | M.T.5 | M.T.5 | M.T.5 | M.T.5 |
| Packing | Overall size (L*W*H)(mm) | 3870×1740×1760 | 3170×1780×1800 | 3720×2150×2050 | 3720×2220×2150 | 3150×1850×1950 |
| Weight | Machine weight(kg) | 4200 | 5000 | 5600 | 5800 | 6300 |

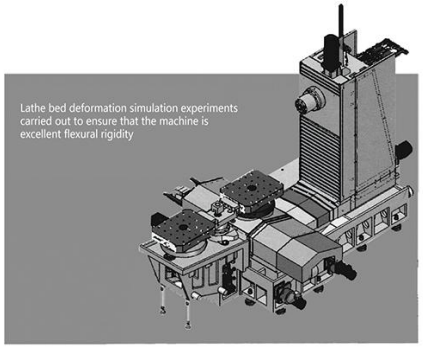
Description and specification given in this catalogue are subject to modification without notice.

CE TÜV ISO9001:2000




## FEATURES

- A prevalent inverted "T" shaped layout is in the base frame, which is high in rigidity of the integral structure and is not creative of any overturning during the full stroke.
- The base frame manufacture by 5-sided machines high-precisely machining, finish most work in one chucking.
- A grouped 60°angular contact ball-bearing is adopted in the lead-screw, which is doubly supported, so as to increase the machining precision.
- High-frequency hardened slide rails or heavy-load high precision roller guide-ways, which have an excellent property of shock absorption and can bear heavy load cutting.
- Taiwan precision spindle,6000rpm and with air film protection device, so as to ensure to keep the spindle precision and service long life.
- CNC rotary table, indexing table, Exchange table for optional.



Lathe bed deformation simulation experiments carried out to ensure that the machine is excellent flexural rigidity



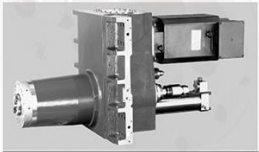
Automatic tool changer with tool installed separately, to avoid an impact on the machining accuracy. Tool selection using the shortest path

## STANDARD ACCS.

- Rigid tapping
- Cam manipulator tool magazine:24
- Full closed cover
- Electronic handwheel
- Lighting equipment
- Double helix chip cleaner
- Auto lubrication system
- Spindle tool coolant system toolbox
- RS232 interface
- Manual air gun
- Spindle taper cleaner
- Tool box

## OPTIONAL ACCS.

- Cam manipulator Tool magazine:32/40
- 3-axis Grating detection equipment
- Work-piece measurement system
- Cutter measurement system
- Spindle internal-cooling
- CNC Rotary working table
- Chaining chip cleaner
- Length setting and edge finder of tool
- Oil and water splitter filter
- Network function



Strengthen the spindle flange thickness and diameter, strengthen the tool clamping force, so that it has a strong torsional strength, improved heavy cutting

## Specification

| Model | | HMC40 (Box rail way) | HMC50 (Linear rail way) | HMC63 (Linear rail way) | HMC80 (Linear rail way) | HMC100 (Linear rail way) |
|---|---|---|---|---|---|---|
| Worktable dimensions(LxW)(mm) | | 400 x 400 | 500 x 500 | 630 x 630 | 800 x 800 | 1000 x 1000 |
| Number of worktables | | 1 | 1/2 | 1/2 | 1/2 | 1/2 |
| Worktable indexing(° ) | | 5x72/0.001 | 1x360/0.001 | 1x360/0.001 | 1x360/0.001 | 1x360/0.001 |
| T shaped soil(number of slot x width of slot x interval)(mm) | | 3 x 14x 80 | 5 x 18 x 100 | 5 x 22 x 125 | 5 x 22 x 160 | Threading hole |
| Maximum load capacity of worktable(kg) | | 250 | 500 | 1000 | 1500 | 2000 |
| X axis travel(mm) | | 580 | 650 | 950 | 1300 | 1600 |
| Z axis travel(mm) | | 440 | 550 | 830 | 900 | 1300 |
| Y axis travel(mm) | | 500 | 550 | 750 | 900 | 1300 |
| Distance from center of spindle to worktable(mm) | | 60~500 | 120~670 | 120~870 | 100~1000 | 75~1375 |
| Distance from spindle nose to center of worktable(mm) | | 110~610 | 180~730 | 170~1000 | 180~1080 | 250~1550 |
| Spindle taper | | BT40 | BT40 | BT50 | BT50 | BT50 |
| Maximum spindle speed(r.p.m.) | | 8000 | 8000 | 6000 | 6000 | 6000 |
| Rapid traveling( X,Yand Z)(m/min) | | 15 | 15 | 24 | 24 | 24 |
| Maximum speed of table(r/min) | | 5 | 10 | 10 | 10 | 10 |
| ATC type | | Manipulator | Manipulator | Manipulator | Manipulator | Manipulator |
| ATC capacity | | 24 | 24 | 24 | 24 | 24 |
| Maximum tool dimensions (diameter x length)(kg) | adjacent tool | Φ80 x 300 | Φ80 x 320 | Φ125 x 350 | Φ125 x 350 | Φ125 x 350 |
| | without adjacent tool | Φ120 x 300 | Φ120 x 320 | Φ250 x 350 | Φ250 x 350 | Φ250 x 350 |
| Maximum tool weight(kg) | | 15 | 15 | 25 | 25 | 25 |
| Time of Tool changing (tool to tool)(s) | | 3 | 3 | 5.5 | 5.5 | 5.5 |
| G.W.(kg) | | 6500 | 12000 | 14000 | 18000 | 22000 |
| Position precision(300mm) | | ±0.005 | ±0.005 | ±0.005 | ±0.005 | ±0.005 |
| Repeated position precision(300mm) | | ±0.003 | ±0.003 | ±0.003 | ±0.003 | ±0.003 |

Description and specification given in this catalogue are subject to modification without notice.

## STANDARD ACCS.

- Fanuc controller system
- Full closed cover
- Automatic chip cleaner
- Guideway protection
- Automatic lubrication system
- Spindle blowing
- Movable hand wheel
- Alarm light
- Z axis hydraulic balance system
- Manual air gun
- Automatic cooling system
- Working light
- Rs232 interface
- Level adjusting screws and blocks
- Toolbox and manual.

## OPTIONAL ACCS.

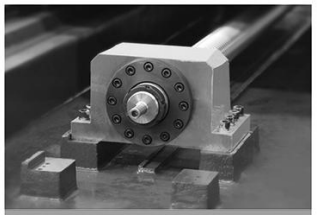
- ZF gearbox
- Full-gear spindle
- 32/40T chain ATC
- Spindle oil cooling
- Automatic shutting system
- The 4th rotary table
- Universal milling head
- Air condition for electric box
- Auto dividing head
- Spindle center watering




## FEATURES

- High-quality meehanite casting, the structure by the finite element analysis, in order to achieve the best stability.
- Suitable for machining large mold, mold base.
- In all three axis precision level of large diameter screw, and appropriately and the screw pre-stretching, in order to improve the stiffness of the lead screw pair.
- Using precision grade super heavy rail line application, to ensure high precision and high bearing processing requirements.


90° milling head realizes five-face machining. (Optional)


Automatic tool checking instrument improves working efficiency. (Optional)


Automatic tool checking instrument improves working efficiency. (Optional)


Hydraulic balance. (Optional)

## Specification

| Model | | 13B Sieres | | 13B Sieres | | 15A Sieres | | 15B Sieres | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | | HB2013A | HB2513A | HB2013B | HB2513B | HB2015A | HB2515A | HB2015B | HB2015B | HB3015B |
| Worktable | Worktable(length x width) (mm) | 2200×1100 | 2700×1100 | 2200×1100 | 2700×1100 | 2200×1300 | 2700×1300 | 2200×1300 | 2700×1300 | 3200×1300 |
| | Maximun Load of table (kg) | 6000 | 8000 | 6000 | 8000 | 6000 | 8000 | 6000 | 8000 | 8000 |
| Triaxial Itinerary | T-slot(number of slot x slot width x pitch) (mm) | 7-22×150 | | 7-22×150 | | 7-22×175 | | 7-22×175 | | |
| | Gantry width (mm) | 1350 | 1350 | 1350 | 1350 | 1550 | 1550 | 1550 | 1550 | 1550 |
| | Travel for X/Y/Z axis (mm) | 2000/1300/800 | 2500/1300/800 | 2000/1300/900 | 2500/1300/900 | 2000/1500/800 | 2500/1500/800 | 2000/1500/900 | 2500/1500/900 | 3000/1500/900 |
| | Distance from spindle nose to table surface (mm) | 150-950 | 120-920 | 180-1080 | 150-1050 | 150-950 | 120-920 | 180-1080 | 150-1050 | 150-1050 |
| Feeding system | CNC system | FANUC 0i MD | | FANUC 0i MD | | FANUC 0i MD | | FANUC 0i MD | | |
| | Rapid shift of axis of X/Y/Z (m/min) | 12/12/10 | | 12/12/10 | | 12/12/10 | | 12/12/10 | | 10/12/10 |
| | Maximun cutting feed speed (m/min) | 7 | | 7 | | 7 | | 7 | | |
| | X/Y/Z-axis guide specifitions | 2-45(X)/2-45(Y) /Z-axis box rail way | | 2-45(X)/2-45(Y) /Z-axis box rail way | | 2-45(X)/2-45(Y) /Z-axis box rail way | | 2-45(X)/2-45(Y) /Z-axis box rail way | | |
| ATC | Standard tool quantity | BT50/24 | | BT50/24 | | BT50/24 | | BT50/24 | | |
| | The larges diameter cutter knife/length | Φ110/300 | | Φ110/300 | | Φ110/300 | | Φ110/300 | | |
| | Tool exchanging manner | Manipulator | | Manipulator | | Manipulator | | Manipulator | | |
| | Maximun tool weight (mm) | 18 | | 18 | | 18 | | 18 | | |
| Precision | Positioning accuracy (mm) | ±0.005 | | ±0.005 | | ±0.005 | | ±0.005 | | |
| | Accuracy of repeated positioning (mm) | ±0.003 | | ±0.003 | | ±0.003 | | ±0.003 | | |
| Spindle system | Spindle specifitions (mode/installation diameter) (mm) | BT50/Φ190 | | BT50/Φ190 | | BT50/Φ190 | | BT50/Φ190 | | |
| | The maximun speed of belt drive milling head (r.p.m) | 6000 | | 6000 | | 6000 | | 6000 | | |
| | Motor power of spindle (kW) | 15/18.5 | | 15/18.5 | | 15/18.5 | | 15/18.5 | | |
| Other | Requirements for air compressing (kg/cm²) | ≥6 | | ≥6 | | ≥6 | | ≥6 | | |
| | Air pressure flux (m³/min) | ≥0.5 | | ≥0.5 | | ≥0.5 | | ≥0.5 | | |
| | Integrated weight(kg) | 17000 | 19000 | 17000 | 19000 | 18000 | 20000 | 18000 | 20000 | 21000 |
| | Overall dimension (length x width x height) (mm) | 6110×3120×4130 | 7150×3120×4190 | 6110×3120×4480 | 7150×3120×4536 | 6110×3320×4130 | 7150×3320×4190 | 6110×3320×4480 | 7150×3320×4536 | 8150×3320×4536 |

| 18 Sieres | | | 22 Sieres | | | 27A Sieres | | | | 27A Sieres | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HB2018 | HB2518 | HB3018 | HB3022 | HB4022 | HB5022 | HB3027A | HB4027A | HB5027A | HB6027A | HB3027B | HB4027B |
| 2000×1500 | 2500×1500 | 3000×1500 | 3000×1800 | 4000×1800 | 5000×1800 | 3000×2300 | 4000×2300 | 5000×2300 | 6000×2300 | 3000×2300 | 4000×2300 |
| 8000 | 10000 | 12000 | 12000 | 16000 | 18000 | 12000 | 16000 | 18000 | 20000 | 15000 | 18000 |
| 7-22×200 | | | 9-22×200 | | | 11-22×200 | | | | 11-22×200 | |
| 1800 | 1800 | 1800 | 2230 | 2230 | 2230 | 2730 | 2730 | 2730 | 2730 | 2730 | 2730 |
| 2000/1800/900 | 2500/1800/900 | 3000/1800/900 | 3200/2200/1000 | 4200/2200/1000 | 5200/2200/1000 | 3200/2700/1000 | 4200/2700/1000 | 5200/2700/1000 | 6200/2700/1000 | 3200/2700/1000 | 4200/2700/1000 |
| 150-1050 | | | 310-1310 | | | 310-1310 | | | | 310-1310 | |
| FANUC 0i MD | | | FANUC 0i MD | | | FANUC 0i MD | | | | FANUC 0i MD | |
| 12/12/10 | | | 12/12/10 | 10/12/10 | 10/12/10 | 12/12/10 | 10/12/10 | 10/12/10 | 8/12/10 | 12/12/10 | 10/12/10 |
| 7 | | | 7 | | | 7 | | | | 7 | |
| 2-55(X)/2-55(Y)/Z-axis box rail way | | | 2-55(X)/2-55(Y)/Z-axis box rail way | | | 2-55(X)/2-55(Y)/Z-axis box rail way | | | | 3-55(X)/2-55(Y) /Z-axis box rail way | |
| BT50/24 | | | BT50/32 | | | BT50/32 | | | | BT50/32 | |
| Φ110/300 | | | Φ125/300 | | | Φ125/300 | | | | Φ125/300 | |
| Manipulator | | | Manipulator | | | Manipulator | | | | Manipulator | |
| 18 | | | 18 | | | 18 | | | | 18 | |
| ±0.005 | | | ±0.005 | | | ±0.005 | | | | ±0.005 | |
| ±0.003 | | | ±0.003 | | | ±0.003 | | | | ±0.003 | |
| BT50/Φ190 | | | BT50/Φ200 | | | BT50/Φ200 | | | | BT50/Φ200 | |
| 6000 | | | 4000 | | | 4000 | | | | 4000 | |
| 15/18.5 | | | 22/26 | | | 22/26 | | | | 22/26 | |
| ≥6 | | | ≥6 | | | ≥6 | | | | ≥6 | |
| ≥0.5 | | | ≥0.5 | | | ≥0.5 | | | | ≥0.5 | |
| 19000 | 21000 | 23000 | 32000 | 37000 | 42000 | 41000 | 46000 | 51000 | 53000 | 43000 | 47000 |
| 6195×4200×4580 | 7140×4200×4580 | 8150×4200×4580 | 7705×4650×5167 | 9900×4650×5167 | 11840×4650×5167 | 7840×5150×5167 | 9840×5150×5167 | 11840×5150×5167 | 13840×5150×5167 | 7840×5150×5167 | 9840×5150×5167 |

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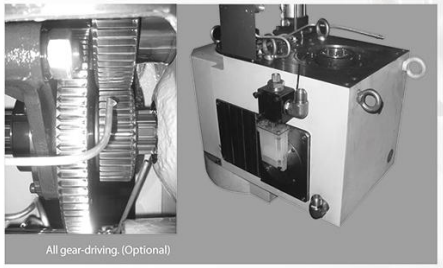
34 series optional semi-automatic right-angle heads. (Optional)


All gear-driving. (Optional)


ZF gear-box from Germany. (Optional)

## Features

- High-quality meehanite casting, the structure by the finite element analysis, in order to achieve the best stability.
- Suitable for machining large mold, mold base.
- In all three axis precision level of large diameter screw, and appropriately and the screw pre-stretching, in order to improve the stiffness of the lead screw pair.
- Using precision grade super heavy rail line application, to ensure high precision and high bearing processing requirements.


As standard each WHITE EAGLE gantry machining center is equipped with two longitudinal spiral chip cleaners and one transverse link plate chip cleaner.

## Specification

| Model | | 27B Series | | 29A Series | | | | 29B Series | |
|---|---|---|---|---|---|---|---|---|---|
| | | HB5027B | HB6027B | HB3029A | HB4029A | HB5029A | HB6029A | HB3029B | HB4029B |
| Worktable | Worktable(length x width) | 5000x2300 | 6000x2300 | 3000x2300 | 4000x2300 | 5000x2300 | 6000x2300 | 3000x1300 | 4000x2300 |
| | Maximun load of table(kg) | 22000 | 24000 | 12000 | 16000 | 18000 | 20000 | 15000 | 18000 |
| Triaxial Itinerary | T-slot(number of slot x slot width x pitch)(mm) | 11-22x200 | | 11-22x200 | | | | 11-22x200 | |
| | Gantry width(mm) | 2730 | 2730 | 2930 | 2930 | 2930 | 2930 | 1550 | 2930 |
| | Travel for X/Y/Z axis(mm) | 5200/2700/1000 | 6200/2700/1000 | 3200/2900/1000 | 4200/2900/1000 | 5200/2900/1000 | 6200/2900/1000 | 3200/2900/1000 | 4200/2900/1000 |
| | Distance from spindle nose to table surface(mm) | 310-1310 | | 310-1310 | | | | 310-1310 | |
| Feeding system | CNC system | FANUC 0i MD | | FANUC 0i MD | | | | FANUC 0i MD | |
| | Rapid shift of axis of X/Y/Z(m/min) | 10/12/10 | 8/12/10 | 12/12/10 | 10/12/10 | 10/12/10 | 8/12/10 | 12/12/10 | 10/12/10 |
| | Maximun cutting feed speed(m/min) | 7 | | 7 | | | | 7 | |
| | X/Y/Z-axis guide specifitions | 3-55(X)/2-55(Y)/Z-axis box rail way | | 2-55(X)/2-55(Y)/Z-axis box rail way | | | | 3-55(X)/2-55(Y)/Z-axis box rail way | |
| ATC | Standard tool quantity | BT50/32 | | BT50/32 | | | | BT50/32 | |
| | The larges diameter cutter knife/length | Φ125/300 | | Φ125/300 | | | | Φ125/300 | |
| | Tool exchanging manner | Manipulator | | Manipulator | | | | Manipulator | |
| | Maximun tool weight(mm) | 18 | | 18 | | | | 18 | |
| Accuracy | Positioning accuracy(mm) | ±0.005 | | ±0.005 | | | | ±0.005 | |
| | Accuracy of repeated positioning(mm) | ±0.003 | | ±0.003 | | | | ±0.003 | |
| Spindle system | Spindle specifitions (mode/installation diameter)(mm) | BT50/Φ200 | | BT50/Φ200 | | | | BT50/Φ200 | |
| | The maximun speed of belt drive milling head(r.p.m) | 4000 | | 4000 | | | | 4000 | |
| | Motor power of spindle(KW) | 22/26 | | 22/26 | | | | 22/26 | |
| Others | Requirements for air compressing(kg/cm²) | ≥6 | | ≥6 | | | | ≥6 | |
| | Air pressure flux (m³/min) | ≥0.5 | | ≥0.5 | | | | ≥0.5 | |
| | Integrated weight(kg) | 52000 | 54000 | 43000 | 48000 | 53000 | 55000 | 45000 | 20000 |
| | Overall dimension (length x width x height)(mm) | 11840x5150x5167 | 13840x5150x5167 | 7840x5350x5167 | 9840x5350x5167 | 11840x5350x5167 | 13840x5350x5167 | 7840x5350x5167 | 9840x5350x5167 |

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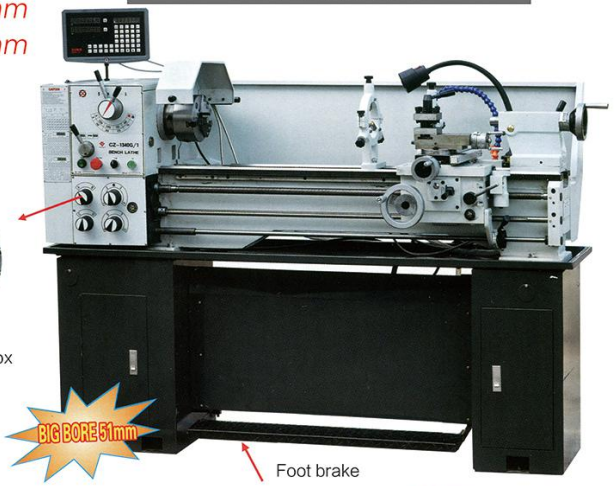
## Specification

| 29B Series | | 32B Series | | | | 34 Series | | 34R Series | |
|---|---|---|---|---|---|---|---|---|---|
| HB5029B | HB6029B | HB3032B | HB4032B | HB5032B | HB6032B | HB6034 | HB8034 | HB6034R | HB8034R |
| 5000x2300 | 6000x2300 | 3000x2300 | 4000x2300 | 5000x2300 | 6000x2300 | 6000x2600 | 8000x2600 | 6000x2600 | 8000x2600 |
| 22000 | 25000 | 15000 | 18000 | 22000 | 25000 | 28000 | 32000 | 28000 | 32000 |
| 11-22x200 | | 11-22x200 | | | | 23-18x250 | 30-28x250 | 23-28x250 | 30-28x250 |
| 2930 | 2930 | 3230 | 3230 | 3230 | 3230 | 3430 | 3430 | 3430 | 3430 |
| 5200/2900/100 | 6200/2900/1000 | 3200/3200/1000 | 4200/3200/1000 | 5200/3200/1000 | 6200/3200/1000 | 6200/4000/3400)/1250 | 8200/4000/3400)/1250 | 6200/4000/3400)/1250 | 8200/4000/3400)/1250 |
| 310-1310 | | 310-1310 | | | | 350-1600 | | 350-1600 | |
| FANUC 0i MD | | FANUC 0i MD | | | | FANUC 0i MD | | FANUC 0i MD | |
| 10/12/10 | 8/12/10 | 12/12/10 | 10/12/10 | 10/12/10 | 8/12/10 | 8/10/10 | | 8/10/10 | |
| 7 | | 7 | | | | 7 | | 7 | |
| 3-55(X)/2-55(Y)/Z-axis box rail way | | 3-55(X)/2-55(Y)/Z-axis box rail way | | | | 4-55(X)/2-55(Y)/2-65(Z) | | 3-55(X)/2-55(Y)/Z-axis box rail way | |
| BT50/32 | | BT50/32 | | | | BT50/32 | | BT50/32 | |
| Φ125/300 | | Φ125/300 | | | | Φ125/300 | | Φ125/300 | |
| Manipulator | | Manipulator | | | | Manipulator | | Manipulator | |
| 18 | | 18 | | | | 18 | | 18 | |
| ±0.005 | | ±0.005 | | | | ±0.005 | | ±0.005 | |
| ±0.003 | | ±0.003 | | | | ±0.003 | | ±0.003 | |
| BT50/Φ200 | | BT50/Φ200 | | | | BT50/Φ190(Belt) | | BT50/Φ190(Belt) | |
| 4000 | | 4000 | | | | 4000 | | 4000 | |
| 22/26 | | 22/26 | | | | 22/26 | | 22/26 | |
| ≥6 | | ≥6 | | | | ≥6 | | ≥6 | |
| ≥0.5 | | ≥0.5 | | | | ≥0.5 | | ≥0.5 | |
| 54000 | 56000 | 45000 | 50000 | 54000 | 56000 | 80000 | 95000 | 90000 | 105000 |
| 11840x5350x5167 | 13840x5350x5167 | 7840x5750x5167 | 9840x4650x5167 | 11840x5750x5167 | 13840x5750x5167 | 15000x7500x6500 | 19000x7500x6500 | 15000x7550x6500 | 19000x7500x6500 |

Description and specification given in this catalogue are subject to modification without notice.

## CZ1340G/1x1000mm
## CZ1440G/1x1000mm

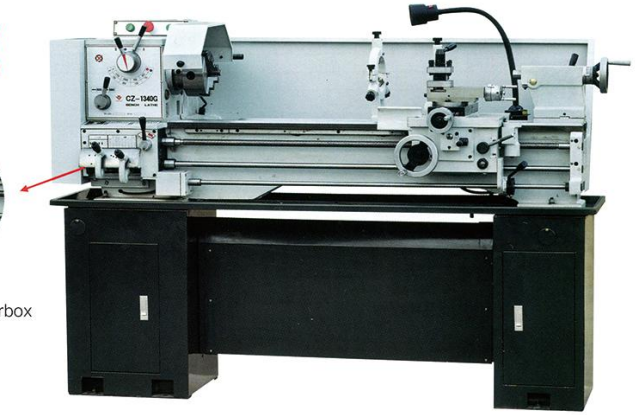
DRO：Optional Acces.






4-handles gearbox

## CZ1340Gx1000mm
## CZ1440Gx1000mm





Norton lever gearbox

### FEATURES

- Supersonic frequency hardened bed ways
- Precision roller bearing for spindle
- High quality steel, ground and hardened gear inside headstock
- Easy and fast operating gearbox
- Enough strong power motor
- ASA D4 camlock spindle nose
- Various threads cutting functions available





White Eagle®

### STANDARD ACCS.

- Tool box
- Tool post wrench
- Allen wrench
- Change gears set
- 3-jaw chuck and wrench

### OPTIONAL ACCS.

- Coolant system
- Working lamp
- Foot brake
- Machine stand
- Splash guard
- Face plate
- 4-jaw chuck with back plate
- Live centre
- Follow rest
- Steady rest
- Quick change toolpost
- 2-Axis DRO
- Lathe tool
- Chuck cover
- Tool post cover
- Lead screw cover

Note: above acces series are suitable for all of CZseries lathe.

### Specification

| Model | CZ1340G/1 / CZ1440G/1 | | CZ1340G / CZ1440G |
|---|---|---|---|
| Swing over bed | Φ330Φmm /Φ355mm | | Φ330mm / Φ 355mm |
| Swing over carriage | Φ195mm / Φ220mm | | Φ 195mm / Φ 220mm |
| Swing Over gap | Φ476mm / Φ500mm | | Φ476mm / Φ500mm |
| Width of bed-way | 186mm | | 186mm |
| Distance between centers | 1000mm | | 1000mm |
| Taper of spindle | M.T.5 | | M.T.5 |
| Spindle diameter | Φ38mm ( Φ 51) | Φ 38mm ( Φ 51) | Φ38mm |
| Step of speed | 8 | 8 | 8 |
| Range of speed | 70~2000rpm | 84~1850rpm | 70~2000rpm |
| Head nose | D1-4 | D5 with D5' chuck | D1-4 |
| Metric thread | 26kinds (0.4~7mm) | | 23kinds (0.25~11mm) |
| Inch thread | 34kinds (4~56T.P.I) | | 40kinds (4~112T.P.I) |
| Module thread | 16kinds (0.35~5M.P) | | / |
| Diametral thread | 36kinds (6~104D.P) | | / |
| Longitudinal thread | 0.052~1.392mm/r (0.002"~0.0548") | 0.091~2.533mm/r (0.0036"~0.1005") | 0.091~2.533mm/r (0.0036"~0.1005") |
| Cross feeds | 0.014~0.38mm/r (0.00055"~0.015") | 0.025~0.69mm/r (0.0012"~0.00345") | 0.025~0.69mm/r (0.0012"~0.00345") |
| Diameter lead screw | Φ22mm (7/8") | Φ 22mm (7/8") | Φ22 mm(7/8") |
| Pitch of lead screw | 3mm or 8T.P.I | 3mm or 8T.P.I | 3mm or 8T.P.I |
| Saddle travel | 1000mm | 1000mm | 1000mm |
| Cross travel | 170mm | 160mm | 170mm |
| Compound travel | 74mm | 70mm | 74mm |
| Barrel travel | 95mm | 95mm | 95mm |
| Barrel diameter | Φ32mm | Φ32mm | Φ32mm |
| Taper of center | M.T.3 | M.T.3 | M.T.3 |
| Motor power | 1.5KW (2HP) | 1.5KW(2HP) | 1.5KW (2HP) |
| Coolant motor | 0.04KW (0.055HP) | 0.04KW(0.055HP) | 0.04KW (0.055HP) |
| Packing size | 1920x760x760 (mm) | 1920x760x760 (mm) | 1920x750x760 (mm) |
| Main machine | 440x410x700 (mm) | 440x410x700 (mm) | 440x410x700 (mm) |
| Machine stand | 370x410x700 (mm) | 370x410x700 (mm) | 370x410x700 (mm) |
| Main machine weight | 505/565kgs | 505/565kgs | 495/555kgs |
| Stand weight | 70/75kgs | 70/75kgs | 70/75kgs |
| Loading qty./20" | 22pcs/20' container | 22pcs/20' container | 27pcs/20' container |

Description and specification given in this catalogue are subject to modification without notice.

## CZ1340V

New

Variable speed




### FEATURES

- The spindle is variable speed, and is directly connected with the main motor through time-belt, which reduced the noise greatly.
- The spindle speed can be adjusted variably during its range of 0-1500r.p.m. Easily operating and reading.
- Spindle lubricating with grease, no oil leakage.
- New design and little of Forward & Reverse Feeding Device, easily for operating.
- Vector Frequency Converter and Variable Frequency AC motor can get high torque cutting under low speed.
- High strength and high rigidity casting iron.
- V-way bedways induction hardened and ground.
- Gap bed
- Cam-lock spindle nose
- Various thread cutting function

### Specification

| Model | CZ1340V | CZ1440V |
|---|---|---|
| Swing over bed | Φ330mm | Φ355mm |
| Swing over carriage | Φ195mm | Φ220mm |
| Swing over gap | Φ476mm | Φ500mm |
| Length of gap | 204mm | |
| Center height | 166mm | 178mm |
| Distance between centers | 1000mm | |
| Machine bed size(LxWxH) | 1658x186x290(mm) | |
| Width of bed-way | 186mm | |
| Spindle bore | Φ38mm | |
| Spindle nose | D1-4 | |
| Spindle taper | M.T.5 | |
| Step of spindle speed | Variable | |
| Range of spindle speed | 0-1500r.p.m | |
| Carriage width | 118mm | |
| Cross slide travel | 160mm | |
| Compund width | 76mm | |
| Compund travel | 68mm | |
| Max.cutting tool size | 12x12(mm) | |
| Diameter of lead screw | Φ22mm (7/8") | |
| Pitch of lead screw | 3mm or 8T.P.I | |
| Metric threads can be cut | 26kinds (0.4-7mm) | |
| Inch threads can be cut | 34kinds(4-56T.P.I) | |
| Range of longitudinal feeds(metric/inch) | 32 kinds(0.052-1.392mm/r) (0.002"-0.0548") | |
| Range of cross feeds(metric/inch) | 32 kinds(0.014-0.380mm/r.) (0.00055"-0.015") | |
| Diameter of tailstock quill | Φ32mm | |
| Travel of tailstock quill | 95mm | |
| Taper of tailstock quill | M.T.3 | |
| Motor power | 1.5kw (2HP) | |
| Coolant motor power | 0.04kw (0.055HP) | |
| Packing size (L×W×H)(mm) | 1920×760×760(mm) | |
| | 440×410×700(mm) | |
| | 370×410×700(mm) | |
| N.W./G.W. (main machine) | 500/560kg | 505/565kgs |
| N.W./G.W.(Stands) | 70/75(ks) | |
| Loading capacity/20"container | 22pcs | |

Description and specification given in this catalogue are subject to modification without notice.

### STANDARD ACCS.

- Tool box
- Tool post wrench
- Allen wrench
- Change gears set
- 3-jaw chuck and wrench

### OPTIONAL ACCS.

- Coolant system
- Working lamp
- Foot brake
- Machine stand
- Splash guard
- Face plate
- 4-jaw chuck with back plate
- Live centre
- Follow rest
- Steady rest
- Quick change toolpost
- DRO(Digital readout)
- Lathe tool
- Chuck cover
- Tool post cover
- Lead screw cover





White Eagle®

## CZ1237G/1
## CZ1337G/1

DRO: Optional Acces.




### FEATURES

- Engineered from High Grade Castings
- 'V' Way Bedways Induction hardened and Ground
- Gap bed
- Cross and longitudinal interlocking feed, enough safety
- ASA D4 cam-lock spindle nose
- Various thread cutting function

### STANDARD ACCS.

- Tool box
- Tool post wrench
- Allen wrench
- Change gears set
- 3-jaw chuck and wrench

### OPTIONAL ACCS.

- Coolant system
- Working lamp
- Foot brake
- Machine stand
- Splash guard
- Face plate
- 4-jaw chuck with back plate
- Live centre
- Follow rest
- Steady rest
- Quick change toolpost
- DRO(Digital readout)
- Lathe tool
- Chuck cover
- Tool post cover
- Lead screw cover

### Specification

| | Model | CZ1237G/1 / CZ1337G/1 |
|---|---|---|
| Main data | Swing over bed | Φ 305mm / Φ330mm |
| | Swing over carriage | Φ 173mm / Φ215mm |
| | Swing Over gap | Φ 440mm / Φ485mm |
| | Width of bed-way | 182mm |
| | Distance between centers | 940mm |
| Spindle | Taper of spindle | M.T.5 |
| | Spindle diameter | Φ 38mm |
| | Step of speed | 9 Steps |
| | Range of speed | 64~1500rpm |
| | Head nose | D1-4 |
| Thread and feed system | Metric thread | 26kinds (0.4~7mm) |
| | Inch thread | 34kinds (4~56T.P.I) |
| | Longitudinal thread | 0.052~1.392mm/r (0.002"~0.0548") |
| | Cross feeds | 0.014~0.38mm/r (0.00055"~0.015") |
| Main lead screw | Diameter lead screw | Φ22 mm (7/8") |
| | Pitch of lead screw | 3mm or 8T.P.I |
| Saddle and carriage | Saddle travel | 810mm |
| | Cross travel | 150mm |
| | Compound travel | 85mm |
| Tailstock | Barrel travel | 95mm |
| | Barrel diameter | Φ32mm |
| | Taper of center | M.T.3 |
| Power | Motor power | 1.1KW (1.5HP) |
| | Coolant motor | 0.04KW (0.055HP) |
| Shipment data | Packing size | 1780x760x760 (mm) |
| | Main machine | 440x410x700 (mm) |
| | Machine stand | 370x410x700 (mm) |
| | Main machine weight | 390/440kgs |
| | Stand weight | 70/75kgs |
| | Loading qty./20" | 24pcs |

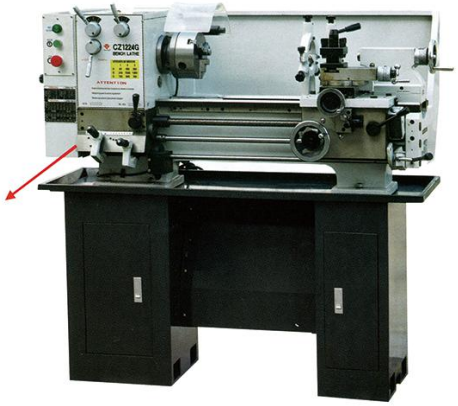
Description and specification given in this catalogue are subject to modification without notice.

## CZ1224G CZ1324G
## CZ1237G CZ1337G

CZ300A



Norton lever or closed box
you can select one



### FEATURES

- Engineered from high grade castings
- 'V' Way Bedways Induction hardened & Ground
- Gap bed
- Cross and longitudinal interlocking feed, withenough safety
- Inching switch for test running
- Metric/Imperial threading available
- Precise gear-driven headstock

### STANDARD ACCS.

- Tool box
- Tool post wrench
- Allen wrench
- Change gears set
- 3-jaw chuck and wrench

### OPTIONAL ACCS.

- Coolant system
- Working lamp
- Foot brake
- Machine stand
- Splash guard
- Face plate
- 4-jaw chuck with back plate
- Live centre
- Follow rest
- Steady rest
- Quick change toolpost
- DRO(Digital readout)
- Lathe tool
- Chuck cover
- Tool post cover
- Lead screw cover

### Specification

| | Model | CZ1224G / CZ1324G | CZ1237G / CZ1337G |
|---|---|---|---|
| Main data | Swing over bed | Φ 305mm /Φ 330mm | Φ 305mm / Φ 330mm |
| | Swing over carriage | Φ173mm / Φ 195mm | Φ173mm / Φ215mm |
| | Swing Over gap | Φ440mm / Φ 465mm | Φ440mm / Φ485mm |
| | Width of bed-way | 182mm | 182mm |
| | Distance between centers | 530mm | 940mm |
| Spindle | Taper of spindle | M.T.5 | |
| | Spindle diameter | Φ38mm | |
| | Step of speed | 9 Steps | |
| | Range of speed | 64~1500rpm | |
| Thread and feed system | Metric thread | Closed box: 11kinds (0.5~3.5mm) | |
| | | Norton Lever: 15kinds (0.25~7.5mm) | |
| | Inch thread | Closed box: 15kinds (7~1/2~48T.P.I) | |
| | | Norton Lever: 40kinds (4~112T.P.I) | |
| | Longitudinal thread | Closed box: 0.051~0.303mm/r (0.002"~0.012") | |
| | | Norton Lever: 0.012~0.42mm/r (0.0047"~0.0165") | |
| Main lead screw | Diameter lead screw | Φ 22 mm (7/8") | |
| | Pitch of lead screw | 3mm or 8T.P.I | |
| Saddle and carriage | Saddle travel | 510mm | 810mm |
| | Cross travel | 150mm | |
| | Compound travel | 85mm | |
| Tailstock | Barrel travel | 95mm | |
| | Barrel diameter | Φ32mm | |
| | Taper of center | M.T.3 | |
| Power | Motor power | 1.1KW (1.5HP) | |
| | Coolant power | 0.04KW (0.055HP) | |
| Shipment data | Machine (LxWxH) | 1420x750x760 (mm) | 1780x750x760 (mm) |
| | Stand (left) (LxWxH) | 440x370x700 (mm) | |
| | Stand (right) (LxWxH) | 300x370x700 (mm) | |
| | Main machine (N.W/G.W) | 380/430kgs | 400/450kgs |
| | Loading qty./20" container | 27pcs | 24pcs |

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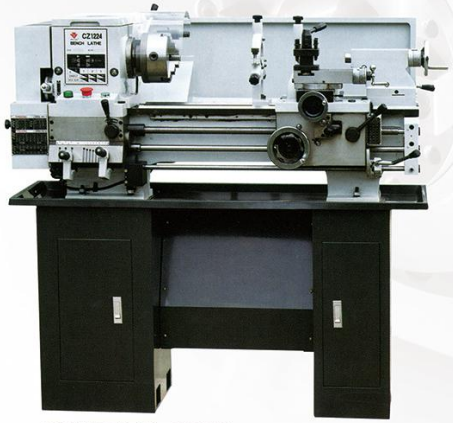
## CZ1224x530mm
## CZ1237x940mm



### FEATURES

- Engineered from high grade castings
- 'V' Way Bedways Induction hardened and Ground
- Gap bed
- Cross and longitudinal interlocking feed, with enough safety
- Inching switch for test running
- Metric/Imperial threading available
- Belt-driven headstock, low noise and easy operation

### OPTIONAL ACCS.

- Coolant system
- Working lamp
- Foot brake
- Machine stand
- Splash guard
- Face plate
- 4-jaw chuck with back plate
- Live centre
- Follow rest
- Steady rest
- Quick change toolpost
- 2-Axis DRO
- Lathe tool
- Chuck cover
- Tool post cover
- Lead screw cover

### STANDARD ACCS.

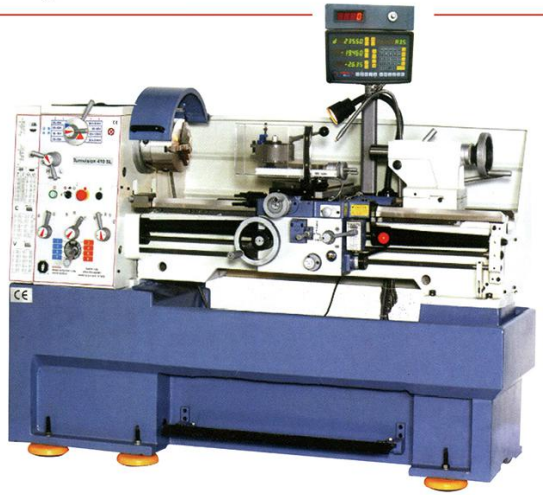
- Tool box
- Tool post wrench
- Allen wrench
- Change gears set
- 3-jaw chuck and wrench

### Specification

| | Model | CZ1224 (CZ300) | CZ1237 (CZ300/1) |
|---|---|---|---|
| Main data | Swing over bed | Φ305mm | Φ 305mm |
| | Swing over carriage | Φ173mm | Φ173mm |
| | Swing Over gap | Φ440mm | Φ 440mm |
| | Width of bed-way | 182mm | 182mm |
| | Distance between centers | 530mm | 940mm |
| Spindle | Taper of spindle | M.T.5 | M.T.5 |
| | Spindle diameter | Φ36mm | Φ36mm |
| | Step of speed | 12 Steps | 12 Steps |
| | Range of speed | 50~1200rpm | 50~1200rpm |
| Thread and feed system | Metric thread | 15kinds (0.25~7.5mm) | 15kinds (0.25~7.5mm) |
| | Inch thread | 40kinds (4~112T.P.I) | 40kinds (4~112T.P.I) |
| | Range of feed amount | 0.12~0.42mm/r (0.0047"~0.0165") | 0.12~0.42mm/r (0.0047"~0.0165") |
| Main lead screw | Diameter lead screw | Φ22 mm (7/8") | Φ22 mm (7/8") |
| | Pitch of lead screw | 3mm or 8T.P.I | 3mm or 8T.P.I |
| Saddle and carriage | Saddle travel | 510mm | 810mm |
| | Cross travel | 150mm | 150mm |
| | Compound travel | 90mm | 85mm |
| Tailstock | Barrel travel | 100mm | 95mm |
| | Barrel diameter | Φ 32mm | Φ32mm |
| | Taper of center | M.T.3 | M.T.3 |
| Power | Motor power | 1.1KW | 1.1KW |
| | Coolant motor | 0.04KW | 0.04KW |
| Shipment data | Packing size | 1420x750x760 (mm) | 1780x750x760 (mm) |
| | Main machine | 400x370x700 (mm) | 400x370x700 (mm) |
| | Machine stand | 300x370x700 (mm) | 300x370x700 (mm) |
| | Main machine weight | 365/415kgs | 385/435kgs |
| | Stand weight | 60/65kgs | 60/65kgs |
| | Loading qty./20" | 27pcs | 24pcs |

Description and specification given in this catalogue are subject to modification without notice.

## CM6241X 1000
## CM6241X 1500



### FEATURES

- No change any gears, you can turn all the metric and inch thread indicating in chart.
- Three points support for spindle.
- Clutch in apron for safety & for changing apron feed direction without changing spindle running direction.

### OPTIONAL ACCS.

- Taper Turning Attachment
- Live Center
- Work Light
- Leadscrew Guard
- Digital Readout
- Quick Change Tool Post
- Digital Readout ( 2 Axis )

### STANDARD ACCS.

- Change gear set
- 3 Jaw Chuck
- Chasing Dial Indicator
- Reduction Sleeve
- Dead Centers
- Full Length Splash Guard
- Coolant System
- Chuck guard
- Brake System
- 4 Jaw Chuck
- Face Plate
- Steady Rest
- Follow Rest Tool
- Box & Tools

### SPECIFICATION

| Model | CM6241 |
|---|---|
| Swing over bed | 410mm |
| Swing over cross slide | 255mm |
| Swing in gap | 580mm |
| Distance between centers | 1000mm, 1500mm |
| Bed width | 250mm |
| Cutting tool size | 20×20mm |
| Travel of cross slide | 210mm |
| Travel of top slide | 140mm |
| Spindle bore | 52mm |
| Taper of spindle bore | M.T6 |
| Range of spindle speed | 45~1800rpm |
| Travel of tailstock quill | 120mm |
| Taper of tailstock quill | M.T4 |
| Power of main motor | 2.2/3.3 Kw |
| Power of pump | 90w |
| Packing size | 2060/2560x900x1640mm |
| Net weight | 1550/1600kgs |
| Gross weight | 1750/1800kgs |

Description and specification given in this catalogue are subject to modification without notice.





White Eagle®

## C6241X 1000 C6246X 1000
## C6241X 1500 C6246X 1500




### OPTIONAL ACCS.

- Taper Turning Attachment
- Live Center
- Work Light
- Leadscrew Guard
- Digital Readout
- Quick Change Tool Post
- Digital Readout ( 2 Axis )

### STANDARD ACCS.

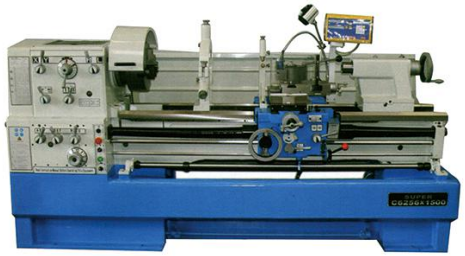
- Change gear set
- 3 Jaw Chuck
- Chasing Dial Indicator
- Reduction Sleeve
- Dead Centers
- Full Length Splash Guard
- Coolant System
- Chuck guard
- Brake System
- 4 Jaw Chuck
- Face Plate
- Steady Rest
- Follow Rest Tool
- Box & Tools

### SPECIFICATION

| Model | C6241 x 1000 ( 1640 ) / C6241 x 1500 ( 1660 ) | | C6246 x 1000 (1840) / C6246 x 1500 (1860) | |
|---|---|---|---|---|
| Swing Over Bed | 410mm ( 16" ) | | 460mm ( 18" ") | |
| Swing Over Cross Slide | 224mm ( 8-13/16" ) | | 274mm ( 10-3/4" ) | |
| Swing In Gap | 640mm ( 25—1/8" ) | | 640mm ( 25—1/8" ) | |
| Length Of Gap | 155mm ( 6-1/8" ) | | | |
| Max. Length Of Workpiece | 1000mm ( 40" ) | | 1000mm ( 40" ) | |
| | 1500mm (60" ) | | 1500mm (60" ) | |
| Spindle Nose | D1-6 | | | |
| Spindle Bore | 58mm ( 2-1/4" ) | | | |
| Taper Of Spindle Bore | Morse NO.6 | | | |
| Range Of Spindle Speed | 12steps/25-2000r/min | | | |
| Leadscrew Pitch | 4T.P.I. | | | |
| Packing size(mm) | 2250x1120x1700 | 2800 x 1120 x 1700 | 2250x 1120x1700 | 28 00 x 1120x1700 |
| Net Weight/Gross Weig | 1670/1980kg | | 1970/2320kg | |

Description and specification given in this catalogue are subject to modification without notice.

# C6251 x 1500/2000/3000
# C6256 x 1500/2000/3000



## OPTIONAL ACCS.

- Taper Turning Attachment
- Live Center
- Driving Plate
- Leadscrew Guard
- Digital Readout
- Quick Change Tool Post
- Digital Readout ( 2 Axis )

## STANDARD ACCS.

- Change gears set
- 3 Jaw Chuck
- Chasing Dial Indicator
- Reduction Sleeve
- Dead Centers
- Full Length Splash Guard
- Coolant System
- Chuck guard
- Brake System
- 4 Jaw Chuck
- Face Plate
- Steady Rest
- Follow Rest
- Tool Box & Tools

## FEATURES

- Precision ground and supersonic frequency hardened bed ways, designed in double wall structure with superb rigidity
- The spindle system is high in rigidity and accuracy
- The design of the main drive is optimized and the gears in the headstock are precision ground with silent noise
- There is no need for change gears
- The machine can turn about 200 kinds or metric, module and D. P.threads
- An automatic stopping device is used to realize automatic stop for the machine of a certain length workpiece, which is safe and reliable A pedal braking device providing quick and effective stop while operating.

## Specification

| Model | MODELS | | | | | |
|---|---|---|---|---|---|---|
| | C6251 x 1500/2000/3000 | | | C6256 x 1500/2000/3000 | | |
| Swing over red | 510mm(20") | | | 560mm(22u) | | |
| Swing in gap | 300mm(11-7/8") | | | 350mm(13-3/4") | | |
| Swing over carriage | 738mm(29") | | | 788mm(31") | | |
| Length of gap | 200mm(8") | | | | | |
| Distance between centers | 1500mm(60") | 2000mm(78") | 3000mm(118") | 1500mm(60") | 2000mm(78H) | 3000mm(118") |
| Center height | 1135mm | | | 1160mm | | |
| Width of bed | 350mm(13-3/4" | | | | | |
| Spindle nose | D1-8 | | | | | |
| Spindle bore | 80mm(3-1/8") | | | | | |
| Taper of spindle bore | No.7Morse | | | | | |
| Range of spindle speed | 12changes25-1600r/min | | | | | |
| Max.travel of compound rest | 130mm(5-1/8") | | | | | |
| Max.travel of cross slide | 326mm(12-15/16n) | | | | | |
| Leadscrew pitch | 6mm or 4T.P.L | | | | | |
| Max.section of tool | 25x25mm(1 x 1") | | | | | |
| Longitudinal feeds range | 35kinds0.059-1.646mm/rev(0.0022H-0.06127rev) | | | | | |
| Cross feeds range | 35kinds0.020-0.573mm(0.00048"-0.01354") | | | | | |
| Metric threads range | 47kinds0.2-14mm | | | | | |
| Inch threads range | 60kinds2-112T_P⊥ | | | | | |
| Diametrical pitches range | 50kinds4-112D.P. | | | | | |
| Module pitches range | 39kinds0.1-7M.P. | | | | | |
| Dia of tailstock sleeve | 75mm(3u) | | | | | |
| Travel of tailstock sleeve | 180mm(7") | | | | | |
| Morse taper of tailstock sleeve | No.5Morse | | | | | |
| Cross adjustment | ± 13mm( ± 1/2u) | | | | | |
| Power of main motor | 7.5kw(10HP)3PH | | | | | |
| Power of coolant pump | 0.1kw(1/8HP), 3PH | | | | | |
| Overall dimension(L x W x H)cm | 290x112x143 | 340x112x143 | 390x112x143 | 290x112x146 | 340x112x143 | 390x112x143 |
| Packing size(L x W x H)cm | 296x113x182 | 346x113x182 | 396x113x182 | 296x113x182 | 346x113x182 | 396x113x182 |
| Net weight/Gross weight | 2335/2700 | 2685/3070 | 3035/3440 | 2370/2740 | 2720/3110 | 3075/3480 |

Description and specification given in this catalogue are subject to modification without notice.

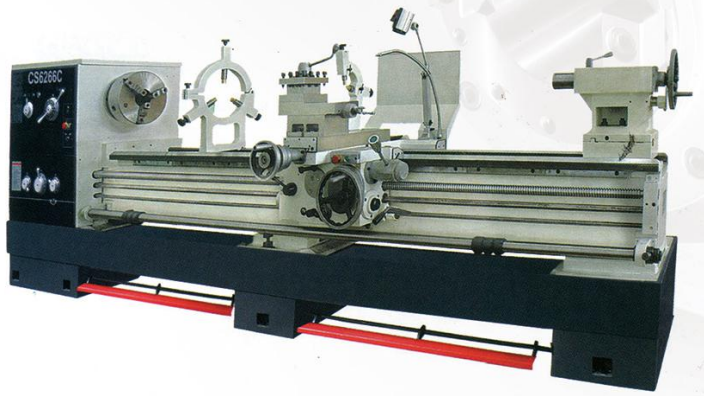




LATHG MACHINE Precision Engine Lathe

White Eagle®

# CS6250C
# CS6266C
# CQ6280C



## STANDARD ACCS.

- Change gear set
- 3-Jaw Chuck
- Chasing Dial Indicator
- Reduction Sleeve
- Dead Centers
- Full Length Splash Guard
- Coolant System
- Chuck guard
- Brake System
- 4 Jaw Chuck
- Face Plate
- Steady Rest
- Follow Rest
- Tool Box & Tools

## OPTIONAL ACCS.

- Taper Turning Attachment
- Live Center Work Light
- Leadscrew Guard
- Digital Readout
- Quick Change Tool Post
- Digital Readout (2 Axis)

## Specification

| | Model | Unit | CS6240 | CS6250/B | CS6266/B | CQ6280B | CS6250C | CS6266C | CQ6280C |
|---|---|---|---|---|---|---|---|---|---|
| Capacity | Max. swing dia. over bed | mm | Φ400 | Φ500 | Φ 660 | Φ800 | Φ500 | Φ660 | Φ800 |
| | Max. swing dia.in gap | mm | Φ630 | Φ710 | Φ870 | Φ1000 | Φ710 | Φ870 | Φiooa |
| | Max. swing dia. over slide | mm | Φ220 | Φ300 | Φ420 | Φ560 | Φ300 | Φ420 | Φ560 |
| | Max. workpiece length | mm | 750/1000/1500/2000/2500/3000 | | | 1000/1500<br>2000/3000 | 2000/3000 | 1000/1500<br>2000/3000 | 2000/3000 |
| Spindle | Spindle bore diameter | mm | Φ52 | Φ82 | | Φ82 | Φ105 | | |
| | Type of spindle nose | | CS6240:ISO 702/n NO.6 bayonet lock; others:ISO 702/n NO.8 com-lock type | | | | | | |
| | Spindle speed | rpm | 24 steps 9-1600 | | | 24 steps<br>8-1400 | 12 steps<br>36-1600 | | 12 steps<br>30-1400 |
| Tailstock | Spindle motor power | KW | 7.5 | | | | | | |
| Turret | Diameter of quill | mm | Φ75 | | | Φ90 | Φ75 | | Φ90 |
| | Max. travel of quill | mm | 150 | | | | | | |
| | Taper of quill (Morse) | MT | M.T5 | | | | | | |
| | Tool O.D. size | mm | 25X25 | | | | | | |
| | Max. X travel | mm | 145 | | | | | | |
| | Max. Z travel | mm | 320 | | | | 310 | | 320 |
| | X feed range | mm/r | 93 kinds 0.028-6.43 | | | | 65 kinds 0.063-2.52 | | |
| | Z feed range | mm/r | 93 kinds 0.012-2.73 | | | | 65 kinds 0.027-1.07 | | |
| | Metric threads | mm | 48 kinds 0.5-224 | | | | 22 kinds 1-14 | | |
| | Inch threads | t.p.i | 48 kinds 72-1/4 | | | | 25 kinds 28-2 | | |
| | Module threads | irmm | 42 kinds 0.5-112 | | | | 18 kinds 0.5-7 | | |
| | Diametric pitch threads | t.p.i | 42 kinds 56-1/4 | | | | 24 kinds 56-4 | | |
| Feed | Weight | Kg | 1795/2050<br>2250/2450 | 2050/2100<br>2300/2500 | 2400/2600<br>2800/3000 | 3300/3700 | 1795/2050<br>2250/2450 | 1795/2050<br>2250/2450 | 3000/3200 |

Description and specification given in this catalogue are subject to modification without notice.

CE TUV ISO9001:2000

## CW6163C/CW6263C CW6183C/CW6283C
## CW6173C/CW6273C CW6193C/CW6293C




### Specification

| Model | | Unit | CW6163C CW6263C | CW6173C CW6273C | CW6183C CW6283C | CW6193C CW6293C |
|---|---|---|---|---|---|---|
| Swing over bed | | mm | 630 | 730 | 830 | 930 |
| Swing in gap | | mm | 800 | 900 | 1000 | 1100 |
| Swing over cross slide | | mm | 350 | 450 | 550 | 650 |
| Distance between centers | | mm | 750/1000/1500/2000/3000/4500/6000 | | | |
| Length in gap from face plate | | mm | 300 | | | |
| Spindle nose | | | CII or D11 | | | |
| Spindle bore | | mm | 105,130 | | | |
| Spindle speeds | | rpm/steps | 10—800/18 | | | |
| Cross slide travel | | mm | 480 | | | |
| Top rest travel | | mm | 225 | | | |
| Rapid traverse | | mm/min | Vertical:3200, Horizontal:1900 | | | |
| Quill diameter | | mm | 90 | | | |
| Quill travel | | mm | 260 | | | |
| Quill taper | | | MT5 | | | |
| Bed width | | mm | 550 | | | |
| Metric threads | | mm/kinds | 1—240/53 | | | |
| Inch threads | | tpi/kinds | 30—2/31 | | | |
| Module threads | | mm/kinds | 0.25—60/46 | | | |
| Diametral pitch threads | | Lpi/kinds | 60—0.5/47 | | | |
| Main motor power | | kw | 11 | | | |
| Packing size | Length | mm | 3460/3390/3795/4330/5310/6810/8310 | | | |
| | Width | mm | 1400 | | | |
| | Height | mm | 2000 | | | |
| Packing size | | kgs | 4250 | 4450 | 4650 | 4900 |
| | | | 4500 | 4700 | 5100 | 5300 |
| | | | 5000 | 5200 | 5600 | 5800 |
| | | | 5500 | 5700 | 6100 | 6300 |
| | | | 6200 | 6400 | 6600 | 6900 |
| | | | 7300 | 7500 | 7600 | 7900 |
| | | | 8300 | 8500 | 8600 | 8700 |

Description and specification given in this catalogue are subject to modification without notice.





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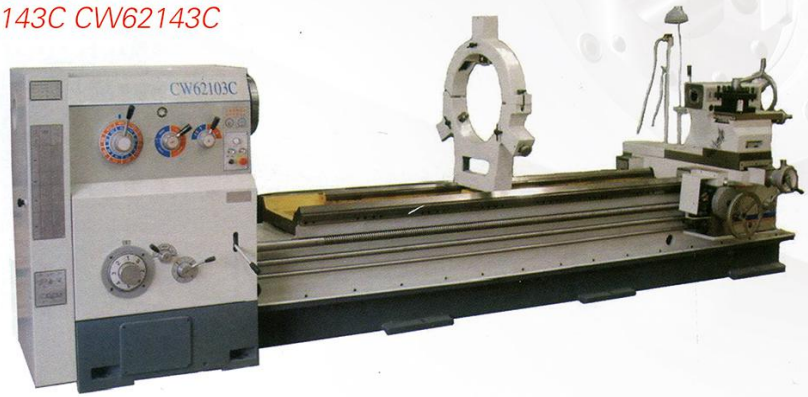
## CW61103C CW62103C CW61163C CW62163C
## CW61123C CW62123C CW61183C CW62183C
## CW61143C CW62143C




### Specification

| Model | | Unit | CW61103C CW62103C | CW61123C CW62123C | CW61143C CW62143C | CW61163C CW62163C | CW61183C CW62183C |
|---|---|---|---|---|---|---|---|
| Swing over bed | | mm | 1030 | 1230 | 1430 | 1630 | 1830 |
| Swing in gap | | mm | 1200 | 1400 | 1600 | 1800 | 2000 |
| Swing over cross slide | | mm | 700 | 900 | 1100 | 1240 | 1440 |
| Distance between centers | | mm | 1500/2000/3000/4500/6000 | | | | |
| Length in gap from face plate | | mm | 380 | | | | |
| Spindle nose | | | CII or D11 | | | | |
| Spindle bore | | mm | 105,130 | | | | |
| Spindle speeds | | rpm/steps | 10—800/18 | | 7-576/18 | 6-480/18 | |
| Cross slide travel | | mm | 615 | | 715 | 815 | 915 |
| Top rest travel | | mm | 225 | | 300 | | |
| Rapid traverse | | mm/min | Longitudina l :3200，Horizontal: 1400 | | | | |
| Quill diameter | | mm | 120 | | | | |
| Quill travel | | mm | 270 | | | | |
| Quill taper | | | MT6 | | | | |
| Bed width | | mm | 610 | | | | |
| Metric threads | | mm/kinds | 1—240/53 | | | | |
| Inch threads | | tpi/kinds | 30—2/31 | | | | |
| Module threads | | mm/kinds | 0.25—60/42 | | | | |
| Diametral pitch threads | | Lpi/kinds | 60—1/2/47 | | | | |
| Longitudinal feeds | | mm/r | 0.07-16.72 | | | | |
| Cross feeds | | mm/r | 0.04-9.6 | | | | |
| Main motor power | | kw | 11 | | | | |
| Packing size | Length | mm | 3840/4340/5170/6670/8200 | | | | |
| | Width | mm | 1700 | 1700 | 2100 | 2200 | |
| | Height | mm | 1980 | 2080 | 2280 | 2380 | |
| Gross weight | | kgs | 5900 | 6500 | 7800 | 8600 | |
| | | | 6250 | 6850 | 8200 | 9000 | |
| | | | 6900 | 7500 | 8900 | 9700 | |
| | | | 8000 | 8600 | 9800 | 10600 | |
| | | | 9000 | 9600 | 10500 | 11200 | |

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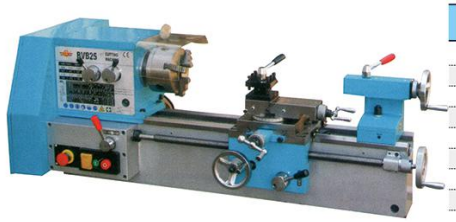
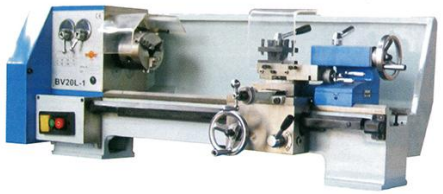
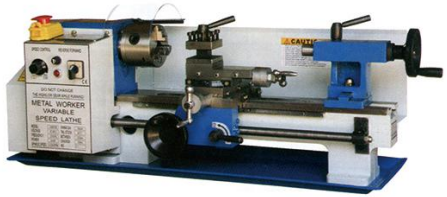


DIY1018 /DIY1028



DIY0820



DIY0708 /DIY0712 /DIY0714

## Specification

| Model | DIY1018 / DIY1028 |
|---|---|
| Distance between centers | 450/ 700mm |
| Swing over bed | Φ250mm |
| Swing over cross slide | 115mm |
| Taper of spindle bore | MT4 |
| Spindle bore | 27mm |
| Step of spindle speeds | 6 |
| Range of spindle speeds | 115~1620rpm |
| Range of inch threads | 8~56T.P.I |
| Range of metric threads | 0.2 ~3.5mm /r |
| Taper of tailstock quill | MT3 |
| Main Motor | 750W |
| Packing size | 1260/1510 x570 x 580mm |
| N.W/G.W | 151kg/171 kgs |

| Model | DIY0820 |
|---|---|
| Distance between centers | 520mm |
| Swing over bed | Φ200mm |
| Taper of spindle bore | MT3 |
| Spindle bore | 20mm |
| Step of spindle speeds | 6 |
| Range of spindle speeds | 140~1710rpm |
| Range of inch threads | 8~32T.P.I |
| Range of metric threads | 0.4 ~3mm |
| Main Motor | 0.55KW |
| Packing size | 1200 x 500 x 550mm |
| N.W/G.W | 105kg/110kg |

| Model | DIY0708 / DIY0712 / DIY0714 |
|---|---|
| Distance between centers | 200/300/350mm |
| Swing over bed | Φ180mm |
| Spindle taper | MT3 |
| Tailstock taper | MT2 |
| Chuck diameter | Φ 80mm |
| Spindle bore | 20mm |
| Range of metric threads | 0.5~2.5mm |
| Range of imperial threads | 12~52TPI |
| Spindle speed | 50~2500rpm |
| Power of motor | 400w/550w |
| Net weight | 35kg/38kg/40kg |
| Gross weight | 38kg/42kg/45kg |
| Packing size | 660/760/810x305x370mm |

Description and specification given in this catalogue are subject to modification without notice.

## STANDARD ACCS.

- Three-Jaw Chuck
- V-belt
- Dead Centers
- Wrench
- Spanner
- Change Gears
- Wrench for tool post

## OPTIONAL ACCS.

- Four-Jaw Chuck
- Follow Rest
- Steady Rest
- Face Plate
- Rolling Center
- Stand
- Cutter
- Splash Guard
- Chip Tray
- Back plate





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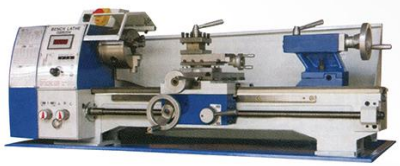
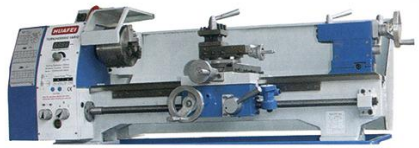


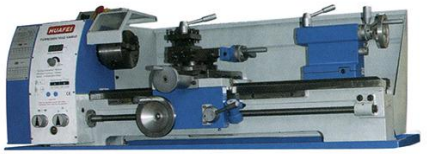
CQ6125V



CQ6128



D240x500GV
D280x700GV



D210x400GV
D250x550GV

## Specification

| Model | CQ6125 | CQ6125V | CQ6128 | CQ6128V |
|---|---|---|---|---|
| Distance between centers | 550/750mm | | 610mm | |
| Swing Over Bed | 250mm | | 280mm | |
| Taper Of Spindle Bore | M.T.3/M.T.4 | | M.T.4 | |
| Spindle Bore | 21mm/26mm | | 26mm | |
| Number Of Spindle Speed | 6 steps | Variable | - | Variable |
| Range Of Spindle Speeds | 125~2000rpm | | 125~2000rpm | |
| Range Of Imperial Threads | 8~56T.P.I | | 8~35T.P.I | |
| Range Of Metric Threads | 0.1~2.5mm/0.4~3.5mm | | 0.1~3.5mm | |
| Taper Of Tailstock Quill | M.T.2 | | M.T.3 | |
| Main Motor | 550W/750W.DC motor | | 750W/1000W.DC motor | |
| Packing Size | 1150 x560 x570mm | | 1320x650x610mm | |
| N.W/G.W | 120kgs/160kgs | | 218kgs/258kgs | |

| Model | D240x500G | D240x500GV | D280x700G | D280x700GV |
|---|---|---|---|---|
| Max. swing over bed | Φ250mm | | Φ 280mm | |
| Distance between centers | 550mm | | 700mm | |
| Spindle bore | 26mm | | 26mm | |
| Taper of spindle bore | M.T.4 | | M.T.4 | |
| Rang of spindle speeds(6 steps) | 125~2000rpm | 50~2500rpm | 125~2000rpm | 50~2500rpm |
| Taper of tailstock quill | M.T.2 | | M.T.2 | |
| Metric threads can be cut | 0.2~4mm | | 0.2~3.5mm | |
| Inch threads can be cut | 8~56T.P.1 | | 8~56T.P. | |
| Motor power | 750W | 1100W | 850W | 1100W |
| N.W/G.W | 135kgs/160kgs | | 180kgs | |
| Package size ( Lx WxH ) | 1200 x 560 x 580mm | | 1390 x 700 x 630mm | |

| Model | D210x400 | D210x400V | D250 x 550 | D250 x 550V |
|---|---|---|---|---|
| Max. swing over bed | Φ210mm | | Φ 250mm | |
| Distance between centers | 400mm | | 550mm | |
| Spindle bore | 21mm | | 21mm | |
| Taper of spindle bore | M.T.3 | | M.T.3 | |
| Rang of spindle speeds(6 steps) | 125~2000rpm | 50~2500rpm | 125~2000rpm | 50~2500rpm |
| Taper of tailstock quill | M.T.2 | | M.T.2 | |
| Metric threads can be cut | 0.4~3.5mm | | 0.4~3.5mm | |
| Inch threads can be cut | 8~44T.P.1 | | 8~44T.P.1 | |
| Motor power | 750W | 1100W | 850W | 1100W |
| N.W | 105kgs/125kgs | | 120kgs/145kgs | |
| Package size ( LxWxH ) | 980 x 560 x 580mm | | 1200 x 560 x 580mm | |

Description and specification given in this catalogue are subject to modification without notice.

## STANDARD ACCS.

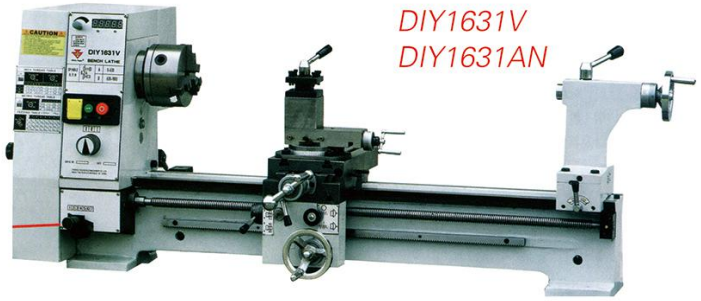
- 3-Jaw Chuck
- Change Gears Set
- Tool Box&Tools
- Dead Centers
- Splash Guard
- Oil Tray

## OPTIONAL ACCS.

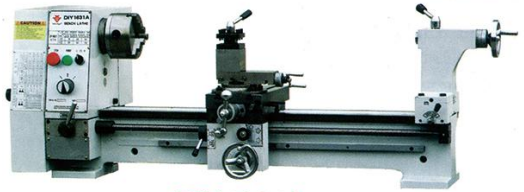
- 4-Jaw Chuck
- Steady Rest
- Follow Rest
- Live Center
- Foot Stands
- Leadscrew Guard
- Chuck Guard
- Drill Chuck+Drill Arbor

# LATHE MACHINE Precision Instrument Lathe





DIY1631V
DIY1631AN



DIY1631A

## STANDARD ACCS.

- Change Gears
- Tool post wrench
- Allen wrench
- 3-jaw chuck and wrench

## OPTIONAL ACCS.

- Follow rest
- Steady rest
- Lathe tool
- Lead screw guard
- Tool post guard
- Chuck guard
- Face plate
- Back plate
- 4-jaw chuck
- Machine stand



DIY1631/DIY1619

## Specification

| Model | DIY1619(DIY1631) | DIY1619A(DIY1631A) | DIY1619AN(DIY1631AN) | DIY1619VIDIY1631V) |
|---|---|---|---|---|
| Swing over bed | Φ 420mm | | Φ 420mm | |
| Distance between centers | 500mm(DIY1631 /DIY1631 A:800mm) | | 500mm(DIY1631AN/DIY1631 V:800MM) | |
| Max. longitudinal travel | 400mm(DIY1631 /DIY1631 A:700mm) | | 400mm(DIY1631AN/DIY1631 V:700mm) | |
| Max. cross travel | 120mm | | 120mm | |
| Taper of spindle | M.T.4 | | M.T.4 | |
| Spindle hole | Φ28mm | | Φ28mm | |
| Step of spindle speed | 6 | | 6 | Variable |
| Range of spindle speed | 150-1250r.p.m | | 150-1250r.p.m | 0-630r.p.m,630-1800r.p.m |
| Barrel travel | 70mm | | 70mm | |
| Taper of center | M.T.3 | | M.T.3 | |
| Metric thread range | 0.75-6mm | | 0.75-4mm | |
| Inch thread range | 4— 120T.P.I | | 4— 300T.P.I | |
| Longitudinal range of automatic feeding | 0.05-0.35mm/0.002-0.014" | 0.05-0.35mm/0.002-0.014" | 0.088-0.55mm/0.0035-0.022" | |
| Cross range of automatic feeding | / | 0.05-0.35mm/0.002-0.014" | 0.088-0.55mm/0.0035-0.022" | |
| Motor power | 0.55Kw | | 0.55KW | 1.1 Kw |
| N. weight/G. weight | 175kg/210kg(DIY1631/DIY1631 A:190kg/230kg) | | 180kg/215kg (DIY1631AN/DIY1631V: 195kg/235ks) | |
| Packing size | 1130 x 580 x 690mm(DI Y1631 /DI Y1631 A: 1430x580x690mm) | | 1130x580x690mm (DIY1631AN/DIY1631V: 1430x580x690mm) | |
| Loading amount | 60pcs/20' container (DIY1631/DIY1631 A:136pcs/20'Container) | | 60pcs/20, container (DIY1631 AN/DIY1631 V:36pcs/20'Container) | |

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CE TUV ISO9001:2000

# MULTI-PURPOSE MACHINE Lathe/Drill/Mill

White Eagle®

HQ250V x500mm
HQ280V x700mm



## OPTIONAL ACCS.

- Stand
- Four-jaw chuck
- Follow rest Steady rest
- Face plate
- Live center
- Quick change tool post
- Collect chuck ER25
- Keyless chuck 0-13mm/B16
- Milling chuck
- Precision vice Coolant pump

## STANDARD ACCS.

- 3-Jaw chuck
- Splash guard
- Chip tray
- Cover for chuck protection
- Tool holder protection
- Center MT2
- Change gears
- Drawbar M10
- Morse taper MT2/B16
- Halogen working lamp
- Tool box & tools

## Specification

| | Specification | HQ250V VARIO | HQ280V VARIO |
|---|---|---|---|
| TURNING | Swing over bed | 250mm | 280mm |
| | Distance between centers | 550/700mm | 700mm |
| | Swing over cross slide | 165mm | 165mm |
| | Width of bed | 135mm | 180mm |
| | Taper of spindle bore | MT4 | MT4 |
| | Spindle bore | 26mm | 26mm |
| | Range of spindle speeds | 50-2000rpm | 500-2000rpm 1 |
| | Range of longitudinal feeds | 0.07 -0.40mm /r | 0.07 -0.20mm /r |
| | Range of inch threads | 8-56T.P.I | 8-56T.P.I |
| | Range of metric threads | 0.2 -3.5mm | 0.4-3.5mm |
| | Top slide travel | 50mm | 50mm |
| | Cross slide travel | 140mm | 140mm. |
| | Tailstock quill travel | 80mm | 70mm |
| | Taper of tailstock quill | MT2 | MT2 |
| | Motor | 0.75/1.1KW | 1.1 KW |
| MILL&DRILL | Max.drilling capacity | Φ16mm | Φ20mm |
| | Max.end milling capacity | 20mm | 16mm |
| | Max.face milling capacity | 053mm | 0 63mm |
| | Taper of spindle bore | MT3 | MT2 |
| | Spindle stroke | 80mm | 50mm |
| | Spindle to table | 310mm | 1 |
| | Table size | 630x150mm | 500 x 180mm l |
| | Cross travel | 145mm | 175mm |
| | Longitudinal travel | 350mm | 280mm |
| | Vertical travel | 380mm | 380mm |
| | T-slot | | 12mm |
| | Range of spindle speeds | 400-1600rpm | 50-22^0rpm l |
| | Heads tilt left & right | ±90° | ±90° |
| | Motor | 350W | 600W |

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CE TUV ISO9001:2000

White Eagle®

## General Features for HQ series multi–puprose machine

- A kind of combination machines with turning, milling, drilling and threading.
- Metric or Imperial thread cutting
  except HQ400, HQ400/1, HQ400V and HQ400/1V )
- Suitable for processing metal, wood and other materials.
- Exceilent advantage of various functions, small occupation and economlization
- Widely used in job–shops, car–shops technical school, factories and family for machine parts repairing and making, education training, household utensils'making, etc.

## STANDARD ACCS.(FOR HQ SERIES)

- Change gears (except HQ400 HQ400/1)
- Tool post wrench
- Wedge
- Allen wrench
- 3-jaw chuck and wrench
- Tie rod



## OPTIONAL ACCS.(FOR HQ SERIES)

- Machine stand
- Follow rest
- Steady rest
- 4–jaw chuck
- Backplate for 4–jaw chuck
- Reversible thread tapping tools
- Lathe tools
- olpost
- Drill chuck
- Mill cutter holder
- Face plate
- Back plate
- Leadscrew guard
- Drill chuck guard
- Toolpoost guard
- Chuck guard
- European quick change toolpost



HQ400 / 3A
HQ400 / 3L



HQ400 / 3B

## Specification

| | Model | HQ400 /3A | HQ400 /3B | HQ400 /3L |
|---|---|---|---|---|
| Turning | Swing over bed | Φ420mm | Φ420mm | Φ420mm |
| | Distance between centers | 400mm | 400mm | 500mm |
| | Max. longitudinal travel | 380mm | 380mm | 480mm |
| | Max. cross travel | 120mm | | |
| | Taper of spindle | M.T.3 | | |
| | Spindle hole | Φ 20mm | | |
| | Step of spindle speed | 7 | | |
| | Range of spindle speed | 160~1360r.p.m | | |
| | Barrel trave | 70mm | | |
| | Barrel taper | M.T.3 | | |
| | Metric thread range | 0.2~6mm | | |
| | nch thread range | 4~120T.P.I | | |
| | Longitudinal range of automatic feeding | 0.05~0.175mm (0.002"~0.014") | | |
| | Cross range of automatic feeding | / | / | / |
| Drilling & milling | Max. drilling capacity | Φ15mm | | |
| | Worktable size ( L x W ) | 200x150mm | | |
| | Max. end mill capacity | Φ 20mm | | |
| | Max. face mill capacity | Φ63mm | | |
| | Spindle trave | 85mm | | |
| | Headstock travel of up and down | 80mm | – | 80mm |
| | Spindle taper | M.T.3 | | |
| | Step of spindle speed | 14 | | |
| | Range of spindle speed | 117~1300r.p.m | | |
| | Swivel angle of headstock | ±360° | | |
| Motor | Motor power | 0.55Kw | | |
| Shipment data | Packing size ( LxWxH ) | 1030x580x1070mm | | 1132x580x1070mm |
| | N. weight/G. weight | 180kgs / 215kgs | 180kgs / 215kgs | 185kgs / 226kgs |
| | Loading amount | 44pcs/20" container | | |

Description and specification given in this catalogue are subject to modification without notice.



HQ500 / HQ800

## General Features for HQ series multi-puprose machine

- A kind of combination machines with turning, milling, drilling and threading.
- Metric or Imperial thread cutting
  ( except HQ400, HQ400/1, HQ400V and HQ400/1V )
- Suitable for processing metal, wood and other materials.
- Exceilent advantage of various functions, small occupation and economlization
- Widely used in job-shops, car-shops technical school, factories and family for machine parts repairing and making, education training, household utensils'making, etc.

## OPTIONAL ACCS.(FOR HQ SERIES)

- Machine stand
- Follow rest
- Steady rest
- 4-jaw chuck
- Backplate for 4-jaw chuck
- Reversible thread tapping tools
- Lathe tools
- olpost
- Drill chuck
- Mill cutter holder
- Face plate
- Back plate
- Leadscrew guard
- Drill chuck guard
- Toolpoost guard
- Chuck guard
- European quick change toolpost

## STANDARD ACCS.(FOR HQ SERIES)

- Change gears (except HQ400 HQ400/1)
- Tool post wrench
- Wedge
- Allen wrench
- 3-jaw chuck and wrench
- Tie rod

## Specification

| ITEM | HQ500 | HQ800 |
|---|---|---|
| Swing over bed | φ420mm | |
| Distance between centers | 500mm | 800mm |
| Max. longitudinal travel | 440mm | 740mm |
| Max. cross travel | 200mm | |
| Taper of spindle | M.T.4 | |
| Spindle hole | φ28mm | |
| Step of spindle speed | 7 | |
| Range of spindle speed | 160-1360r.p.m | |
| Barrel travel | 70mm | |
| Taper of center | M.T.3 | |
| Metric thread range | 0.2-6mm | |
| Inch thread range | 4-120T.P.I | |
| Longitudinal range of automatic feeding | 0.05-0.35mm/0.002-0.014" | |
| Cross range of automatic feeding | 0.05-0.35mm/0.002-0.014" | |
| Max. drilling capacity | φ22mm | |
| Worktable size (L*W) | 475×160mm² | |
| Max. end mill | φ28mm | |
| Max. face mill | φ80mm | |
| Distance between spindle center and column | 285mm | |
| Distance between spindle and worktable | 306mm | |
| Headstock travel of up and down | 110mm | |
| Spindle taper | M.T.3 | |
| Step of spindle speed | 16 | |
| Range of spindle speed | 120-3000r.p.m | |
| Swivel degree of headstock | ±360° | |
| Motor power | 0.55Kw/0.55Kw | |
| Voltage/Frequency | As customers' requirement | |
| Packing size | 1130×580×1100mm(HQ800:1430×580×1100mm) | |
| N. weight/G .weight | 245kg/280kg(HQ800:275kg/325kg) | |
| Loading amount | 40pcs/20'container(800: 32pcs/20'container | |

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MULTI-PURPOSE MACHINE Lathe / Drill / Mill

White Eagle®

## FEATURES

- Vector Frequency Converter and Variable Frequency AC motor can get high torque cutting under low speed.
- Speed of both the main spindle and Mill&drill spindle can be adjusted variably during its range of 0-1500r.p.m. Easily operating and reading.
- The table can automatic feeding in both longitudinal and cross direction. And safe with the special protection unit for chuck during cutting.
- 200mm travel of the Drilling &milling headstock on square column from up to down can realize different sizes of work-pieces processing.
- Precise positioning of drill and mill head, to ensure the stability of the milling size.
- Square column is more rigid and more beautiful.




HQ500V/2
HQ800V/2 New

## OPTIONAL ACCS.

- Round Column
- Machine stand
- Follow rest
- Steady rest
- 4-jaw chuck
- Backplate for 4-jaw chuck
- Reversible thread tapping tools
- Lathe tools
- Drill chuck
- Mill cutter holder
- Face plate
- Back plate
- Leadscrew guard
- Drill chuck guard
- Toolpoost guard
- Chuck guard
- European quick change toolpost

## STANDARD ACCS.

- Change gears
- centre
- 3-jaw chuck and wrench
- Tool-post wrench
- Allen wrench
- Tie-rod
- Wedge

## Specification

| | Model | HQ500V/2 ( HQ800V/2 ) |
|---|---|---|
| Turning | Height from bed surface to spindle centre | 210mm |
| | Max. diameter of cutting | 130 mm |
| | Distance between centers | 500mm(HQ500V/2) |
| | | 800mm(HQ800V/2) |
| | Max. longitudinal travel | 400mm(HQ500V/2) |
| | | 700mm(HQ800V/2) |
| | Max. cross travel | 195mm |
| | Spindle taper | MT4 |
| | Travel of tailstock quill | 70 mm |
| | Taper of tailstock quill | MT3 |
| | Spindle hole | 28 mm |
| | Spindle speed | 0-1500r.p.m |
| | Threads pitch of longitudinal lead-screw | 6 t.p.i or 4 mm |
| | Range of threads cutting(inch/metric) | 4-30 t.p.i or 0.7-4mm |
| | Range of automatic feeding ( longitudinal/cross ) | 0.0035-0.022 t.p.i or 0.088-0.55 mm |
| | Motor power | 0.75KW |
| Drilling & milling | Spindle taper | MT3 |
| | Mill & drill spindle travel of up and down | 110mm |
| | Mill & drill headstock travel of up and down | 200mm |
| | Distance between spindle center and column | 285mm |
| | Distance between spindle and worktable | 420mm |
| | Range of spindle speed | 0-1500r.p.m |
| | Worktable size | 475 mm × 160 mm |
| | Max. drilling capacit | Φ22 mm |
| | Max. end miling | Φ28 mm |
| | Max. face miling | Φ80 mm |
| | Motor power | 0.75KW |

Description and specification given in this catalogue are subject to modification without notice.

## ZAY7020 ZAY7032
## ZAY7040 ZAY7045




### FEATURES

- Belt-driven and round column
- MJlling, drilling, tapping, boring and reaming
- Headstock swivels 360° horizontally
- Micro feed precision
- 12 steps speed
- Adjustable gibs on table precision.
- Posive spindle lock
- Strong rigidity,powerful cutting and precisely positioning

### OPTIONAL ACCS.

- Drill chuck
- Milling cutter holder
- Mill chuck
- Power feed attachment
- Auto-tapping electrical
- Paraller vise
- Working lamp
- Coolant system
- Machine stand and chip tray
- Clamping kits (58pcs)
- Rortary table

### STANDARD ACCS.

- Allen wrench
- Wedge
- Tie rod

### Specification

| Model | ZAY7020 | ZAY7032 | ZAY7040 | ZAY7045 |
|---|---|---|---|---|
| Drilling capacity | ϕ20mm | ϕ32mm | ϕ40mm | ϕ45mm |
| Face milling capacity | ϕ63mm | ϕ63mm | ϕ80mm | ϕ80mm |
| End milling capacity | ϕ20mm | ϕ20mm | ϕ32mm | ϕ32mm |
| Distance from spindle nose to table | 435mm | 450mm (optional:680mm) | | |
| Min.distance from spindle axis to column | 181.5mm | 203.5mm | | |
| Spindle trave | 80mm | 130mm | | |
| Spindle taper | M.T.3 or R8 | M.T.3 or R8 | M.T.4 or R8 | M.T.4 or R8 |
| Step of spindle speed | 6 | 6 | | |
| Range of spindle speed 50Hz | 100-2200 r.p.m | 80-2080 r.p.m | | |
| 60Hz | 120-2640 r.p.m | 100-2500 r.p.m | | |
| Swivel angle of headstock ( horizontally ) | 360° | 360° | | |
| Table size | 520 × 160mm | 800 × 240mm | | |
| Forward and backward travel of table | 140mm | 175mm | | |
| Left and right travel of table | 290mm | 500mm | | |
| Motor Power | 0.55KW | 1.5KW | | |
| Net weighVGross weight | 130kg/190kg | 280kgs/330kgs | 283kgs/333kgs | 283kgs/333kgs |
| Packing size ( LxWxH ) | 620 x 750 x1000mm | 1020 x 820 x1160mm | | |
| Loading amount/20" container | 48pcs | 28pcs | | |

Description and specification given in this catalogue are subject to modification without notice.



CE TUV ISO9001:2000

DRILLING & MILLING MACHINE

White Eagle®

## ZAY7020G ZAY7032G
## ZAY7040G ZAY7045G




### FEATURES

- Gear-driven and round column
- Milling, drilling, tapping, boring and reaming
- Headstock swivels 360° horizontally
- Micro feed precision
- Adjustable gibs on table precision.
- Strong rigidity, powerful cutting and precise positioning

### OPTIONAL ACCS.

- Drill chuck
- Milling cutter holder
- Mill chuck
- Power feed attachment
- Auto-tapping electrical
- Paraller vise
- Working lamp
- Coolant system
- Machine stand and chip tray
- Clamping kits (58pcs)
- Rortary table
- 2-Axis DRO, 3-Axis DRO

### STANDARD ACCS.

- Allen wrench
- Wedge
- Tie rod

### Specification

| Model | ZAY7020G | ZAY7032G | ZAY7040G | ZAY7045G |
|---|---|---|---|---|
| Drilling capacity | ϕ20mm | ϕ32mm | ϕ40mm | ϕ45mm |
| Face milling capacity | ϕ63mm | ϕ63mm | ϕ80mm | ϕ80mm |
| End milling capacity | ϕ20mm | ϕ20mm | ϕ32mm | ϕ32mm |
| Distance from spindle nose to table | 439mm | 440mm (optional:670mm) | | |
| Min.distance from spindle axis to column | 197.5mm | 272.5mm | | |
| Spindle trave | 80mm | 130mm | | |
| Spindle taper | M.T.3 or R8 | M.T.3 or R8 | M.T.4 or R8 | M.T.4 or R8 |
| Step of spindle speed | 6 | 6 | | |
| Range of spindle speed 50Hz | 95-1420 r.p.m | 80-1250 r.p.m | | |
| 60Hz | 115-1700 r.p.m | 95-1500 r.p.m | | |
| Swivel angle of headstock ( horizontally ) | 360° | 360° | | |
| Perpendicularly | ±90° | ±90° | | |
| Table size | 520 × 160mm | 800 × 240mm | | |
| Forward and backward travel of table | 140mm | 175mm | | |
| Left and right travel of table | 290mm | 500mm | | |
| Motor Power | 0.37KW | 0.75KW | 1.1KW | 1.5KW |
| Net weighVGross weight | 130kgs/190kgs | 315kgs/365kgs | | 318kgs/368kgs |
| Packing size ( LxWxH ) | 680 x 750 x1000mm | 770 x 880 x1160mm | | |
| Loading amount/20" container | 48pcs | 36pcs | | |

Description and specification given in this catalogue are subject to modification without notice.

CE TUV ISO9001:2000

# ZAY7025FG ZAY7032FG ZAY7040FG ZAY7045FG

## FEATURES

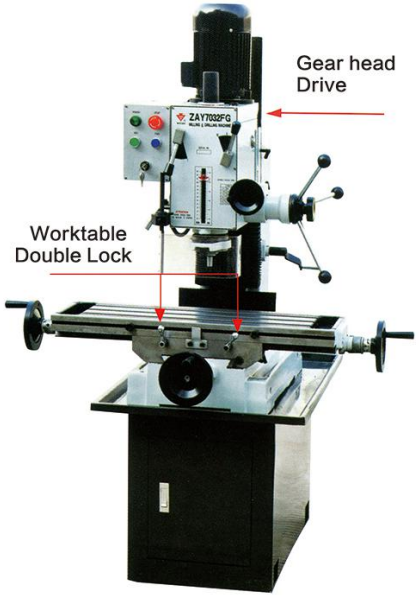
Gear-driven and square column
Milling, drilling, tapping, boring and reaming
Head swivefs ± 90° Vertically
Micro feed precision
Adjustable gibs on table precision
Strong rigidity. powerful cutting and precise positioning

## STANDARD ACCS.

- Allen wrench
- Wedge
- Tie rod

## OPTIONAL ACCS.

- Drill chuck
- Milling cutter holder
- Mill chuck
- Power feed attachment
- Auto-tapping electrical
- Paraller vise
- Working lamp
- Coolant system
- Machine stand and chip tray
- Clamping kits (58pcs)
- Rortary table
- 2-Axis DRO, 3-Axis DRO




## Specification

| Model | ZAY7025FG | ZAY7032FG | ZAY7040FG | ZAY7045FG |
|---|---|---|---|---|
| Drilling capacity | ϕ25mm | ϕ32mm | ϕ40mm | ϕ45mm |
| Face milling capacity | ϕ63mm | ϕ63mm | ϕ80mm | ϕ80mm |
| End milling capacity | ϕ20mm | ϕ20mm | ϕ32mm | ϕ32mm |
| Distance from spindle nose to table | 445mm | 450mm | | |
| Min.distance from spindle axis to column | 203mm | 260mm | | |
| Spindle trave | 80mm | 130mm | | |
| Spindle taper | M.T.3 or R8 | M.T.3 or R8 | M.T.4 or R8 | M.T.4 or R8 |
| Step of spindle speed | 6 | 6 | | |
| Range of spindle speed 50Hz | 95-1420 r.p.m | 80-1250 r.p.m | | |
| 60Hz | 115-1700 r.p.m | 95-1500 r.p.m | | |
| Swivel angle of headstock ( vertically ) | 90° | 90° | | |
| Table size | 520 × 160mm | 800 × 240mm | | |
| Forward and backward travel of table | 140mm | 175mm | | |
| Left and right travel of table | 290mm | 500mm | | |
| Motor Power | 0.37KW | 0.75KW(1HP) | 1.1KW(1.5HP) | 1.5KW(2HP) |
| Net weighVGross weight | 180kgs/190kgs | 320kg/370kg | | 283kg/333kg |
| Packing size ( LxWxH ) | 680 x 750 x1000mm | 770 x 880 x1160mm | | |
| Loading amount/20" container | 48pcs | 36pcs | | |

Description and specification given in this catalogue are subject to modification without notice.



CE TUV ISO9001:2000

DRILLING & MILLING MACHINE

White Eagle®

# ZAY7032FG/1 ZAY7040FG/1 ZAY7045FG/1

## FEATURES

- Spindle speed step-changed cyclically and spindle auto-feeding and cyclic change of feeding speed
- Milling, drilling, tapping, boring and reaming
- Head swivels ± 90° vertically
- Micro feed precision
- Adjustable gibs on table precision
- Strong rigidity, powerful cutting and precise positioning




## STANDARD ACCS.

- Allen wrench
- Wedge
- Tie rod

## OPTIONAL ACCS.

- Drill chuck
- Milling cutter holder
- Mill chuck
- Power feed attachment
- Auto-tapping electrical
- Paraller vise
- Working lamp
- Coolant system
- Machine stand and chip tray
- Clamping kits (58pcs)
- Rortary table
- 2-Axis DRO, 3-Axis DRO

## Specification

| 型 号 Model | ZAY7032FG/1 | ZAY7040FG/1 | ZAY7045FG/1 |
|---|---|---|---|
| Drilling capacity | ϕ32mm | ϕ40mm | ϕ45mm |
| Boring diameter | ϕ50mm | ϕ60mm | ϕ70mm |
| Face milling capacity | ϕ63mm | ϕ80mm | ϕ80mm |
| End milling capacity | ϕ20mm | ϕ32mm | ϕ32mm |
| Distance from spindle nose to table | 450mm | | |
| Min.distance from spindle axis to column | 260mm | | |
| Spindle trave | 130mm | | |
| Spindle taper | M.T.3, M.T.4 or R8 | | |
| Step of spindle speed | 6 | | |
| Range of spindle speed 50Hz | 80-1250 r.p.m | | |
| 60Hz | 95-1500 r.p.m | | |
| Auto-feeding step of spindle | 6 | | |
| Auto-feeding amount of spindle | 0.06-0.30mm/r | | |
| Swivel angle of headstock ( horizontally ) | ± 90° | | |
| Automatic lifting of spindle ( As customer's requirement) | 240mm/min | | |
| Table size | 800 × 240mm (Optional 1000x240mm) | | |
| Forward and backward travel of table | 175mm | | |
| Left and right travel of table | 500mm (700mm) | | |
| Motor Power | 0.75KW (1HP) | 1.1KW (1.5HP) | 1.5KW (2HP) |
| Net weighVGross weight | 320kgs/370kgs | 323kgs/373kgs | 325kgs/365kgs |
| Packing size ( LxWxH ) | 770 x 880 x1160mm | | |
| Loading amount/20" container | 36pcs | | |

Description and specification given in this catalogue are subject to modification without notice.

CE TUV ISO9001:2000

## ZAY7032A/1
## ZAY7040A/1
## ZAY7045A/1

### FEATURES

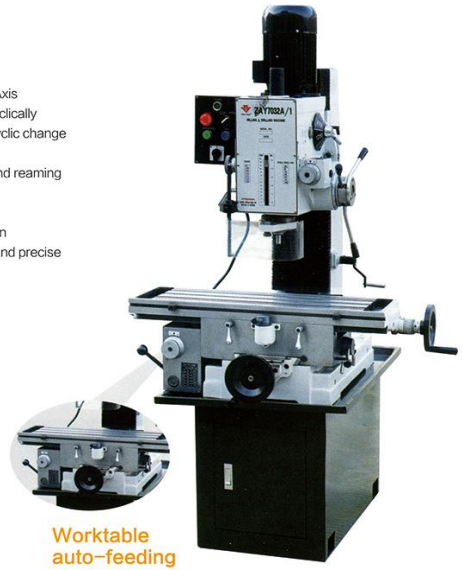
- Worktable auto-feeding in X,Y Axis
- Spindle speed step-changed cyclically and spindle auto-feeding and cyclic change of feeding speed
- Milling, drilling, tapping, boring and reaming
- Head swivels ± 90° Vertically
- Micro feed precision
- Adjustable gibs on table precision
- Strong rigidity, powerful cutting and precise positioning

### OPTIONAL ACCS.

- Drill chuck
- Milling cutter holder
- Mill chuck
- Power feed attachment
- Auto-tapping electrical
- Paraller vise
- Working lamp
- Coolant system
- Machine stand and chip tray
- Clamping kits (58pcs)
- Rortary table
- 2-Axis DRO, 3-Axis DRO

### STANDARD ACCS.

- Allen wrench
- Wedge
- Tie rod



Worktable auto-feeding in X,Y Axis

### Specification

| Model | ZAY7032A/1 | ZAY7040A/1 | ZAY7045A/1 |
|---|---|---|---|
| Drilling capacity | ϕ32mm | ϕ40mm | ϕ45mm |
| Boring diameter | ϕ50mm | ϕ60mm | ϕ70mm |
| Face milling capacity | ϕ63mm | ϕ80mm | ϕ80mm |
| End milling capacity | ϕ20mm | ϕ32mm | ϕ32mm |
| Distance from spindle nose to table | 400mm | | |
| Min.distance from spindle axis to column | 260mm | | |
| Spindle trave | 130mm | | |
| Spindle taper | M.T.3, M.T.4 or R8 | | |
| Step of spindle speed | 6 | | |
| Range of spindle speed 50Hz | 80-1250 r.p.m | | |
| 60Hz | 95-1500 r.p.m | | |
| Auto-feeding step of spindle | 6 | | |
| Auto-feeding amount of spindle | 0.06-0.30mm/r | | |
| Swivel angle of headstock ( horizontally ) | ±90° | | |
| Auto-feeding step of spindle ( longitudinal/cross) | 6 | | |
| Auto-feeding amount of worktable | 24,35,49,73,104,145mm/min | | |
| Table size | 800×240mm (Optional 1000x240mm) | | |
| Forward and backward travel of table | 165mm | | |
| Left and right travel of table | 450mm (650mm) | | |
| Motor Power | 0.75KW (1HP) | 1.1KW (1.5HP) | 1.5KW (2HP) |
| Net weighV/Gross weight | 355kgs/415kgs | 358kgs/418kgs | 360kgs/420kgs |
| Packing size ( LxWxH ) | 930 x 770 x1160mm | | |
| Loading amount/20" container | 36pcs | | |

Description and specification given in this catalogue are subject to modification without notice.





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## ZAY7032V ZAY7040V ZAY7045V
## ZAY7032V/1 ZAY7040V/1 ZAY7045V/1

New

Variable speed



### FEATURES

- Variable speed
- Milling, drilling, tapping, boring and reaming
- Head swivels ± 90° vertically
- Micro feed precision
- Adjustable gibs on table precision
- Strong rigidity, powerful cutting and precise positioning

### STANDARD ACCS.

- Allen wrench
- Wedge
- Tie rod

### OPTIONAL ACCS.

- Drill chuck
- Milling cutter holder
- Mill chuck
- Power feed attachment
- Auto-tapping electrical
- Paraller vise
- Working lamp
- Coolant system
- Machine stand and chip tray
- Clamping kits (58pcs)
- Rortary table
- 2-Axis DRO, 3-Axis DRO

### Specification

| Model | ZAY7032V / ZAY7040V / ZAY7045V | ZAY7032V/1 / ZAY7040V/1 / ZAY7045V/1 |
|---|---|---|
| Drilling capacity | ϕ32mm / ϕ40mm / ϕ45mm | ϕ32mm / ϕ40mm / ϕ45mm |
| Max Face mill capacity | ϕ63mm / ϕ80mm / ϕ80mm | ϕ63mm / ϕ80mm / ϕ80mm |
| Max End mill capacity | ϕ20mm / ϕ32mm / ϕ32mm | ϕ20mm / ϕ32mm / ϕ32mm |
| Distance from spindle nose to table | 400mm | 450mm |
| Min.distance from spindle axis to column | 260mm | 260mm |
| Spindle travel | 130mm | |
| Spindle taper | M.T.3, M.T.4 or R8 | |
| Range of spindle speed ( 2 steps ) | 80-1250 r.p.m, 95-1500 r.p.m | |
| Auto-feeding step of spindle | / | 6 |
| Automatic feeding amount of spindle | / | 0.06-0.30mm/r |
| Swivel angle of headstock ( perpendicular | ±90° | |
| Table size | 800×240mm | |
| Forward and backward travel of table | 175mm | |
| Left and right travel of table | 500mm | |
| Motor power ( AC ) | 1.1KW / 1.1KW / 1.5KW | 1.1KW / 1.1KW / 1.5KW |
| Net weight/Gross weight | 300kgs/350kgs | 310kgs/360kgs |
| Packing size ( LxWx H ) | 770 x 880 x1160mm | |
| Loading amount/20" container | 36pcs | |

Description and specification given in this catalogue are subject to modification without notice.

## ZAY7045L/1

### FEATURES

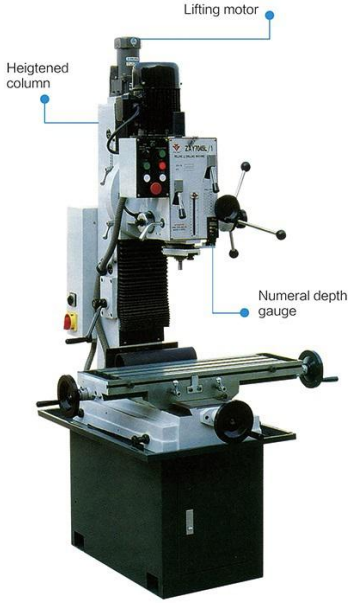
- Milling, drilling, tapping, boring
- and reaming
  Head swivels ± 90° vertically
  Auto-lifting headstock electrically
- Numeral depth gauge for spindle feeding
- Heighten and steadier column
- Micro feed precision
- Adjustable gibs on table precision
- Strong rigidity, powerful cutting and precise positioning

### OPTIONAL ACCS.

- Drill chuck
- Milling cutter holder
- Mill chuck
- Power feed attachment
- Auto-tapping electrical
- Paraller vise
- Working lamp
- Coolant system
- Machine stand and chip tray
- Clamping kits (58pcs)
- Rortary table
- 2-Axis DRO, 3-Axis DRO

### STANDARD ACCS.

- Allen wrench
- Wedge
- Tie rod




### Specification

| Model | ZAY7045L/1 |
|---|---|
| Max Drilling capacity | 45mm |
| Max Face mill capacity | 80mm |
| Max End mill capacity | 32mm |
| Max distance from spindle nose to table | 530mm |
| Min distance from spindle axis to column | 280mm |
| Spindle trave | 130mm |
| Spindle taper | M.T.4 |
| Step of speed | 12 |
| Range of spindle speed 50Hz | 80-1575 r.p.m |
| 2 poles motor 60Hz | 160-3150 r.p.m |
| Swivel angle of headstock(perpendicular) | ± 90° |
| Auto-lifting for spindle | Available |
| Table size | 800 x 240mm ( optional1000 x 240mm ) |
| Forward and backward travel of table | 300mm |
| Left and right travel of table | 585mm |
| Motor power | 0.85/1.1KW |
| Net weight/Gross weight | 380kgs/450kgs |
| Packing size | 1030 x 920 x1560mm |
| Loading amount/20" container | 12pcs |

Description and specification given in this catalogue are subject to modification without notice.



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White Eagle®

## Z5032 Z5040 Z5045
## Z5032C Z5040C Z5045C




### FEATURES

- Drilling, milling and tapping
- Head swivels 360° horizontally
- Headstock and worktable up & down perpendicularly
- Super high column
- Precision micro feed
- Positive spindle lock
- Distinct auto device for releasing tools, operate very easily
- Gear driven, lower noise

### OPTIONAL ACCS.

- Double Speed motor
- Bench vice 90mm, 125mm, 160mm
- Milling holder
- Drill chuck and arbor
- Milling chuck (8PCS)
- Heighten column
- Coolant system
- Working lamp
- Auto-Tapping system
- Boring bar
- Clamping kits (58pcs)

### STANDARD ACCS.

- Wedge
- Tie rod
- Washer

### Specification

| Model | Z5032 / Z5040/ Z5045 | Z5032C / Z5040C / Z5045C |
|---|---|---|
| Max. drilling capacity | Φ32mm / Φ40mm / Φ45mm | Φ32mm / Φ40mm / Φ45mm |
| Spindle taper | M.T.3 or R8 / M.T.4 or R8 / M.T.4 or R8 | |
| Spindle trave | 130mm | |
| Step of spindle speed | 6 | |
| Range of spindle speed 50Hz | 80-1250 r.p.m | |
| 60Hz | 95-1500 r.p.m | |
| Min.distance from spindle axis to column | 283mm | |
| Max. distance from spindle nose to worktable | 725mm | 700mm |
| Max. distance from spindle nose to stand table | 1125mm | |
| Max. travel of headstock | 250mm | |
| Swivel angle of headstock (horizontally/perpendicular ) | 360° ±45° | |
| Max. travel of worktable bracket | 600mm | |
| Worktable size of avaliablity | 380x300mm | 730x210mm |
| Swivel angle of table horizontally | 360° | |
| Table leaned | ±45° | / |
| Size of stand worktable of avaliability | 417x416mm | |
| Worktable travel(X/Y) | / | 500mm / 205mm |
| Vertical travel of worktable | / | 570mm |
| Motor power | 0.75KW / 1.1KW / 1.5KW | 0.75KW / 1.1KW / 1.5KW |
| Speed of motor | 1400 r.p.m | 1400 r.p.m |
| Net weighVGross weight | 430kgs/480kgs | 430kgs/480kgs |
| Packing size ( LxWxH ) | 1850x750x1000mm | 1850x750x1000mm |

Description and specification given in this catalogue are subject to modification without notice.

CE TÜV ISO9001:2000

## Z5032V Z5030A Z5035A Z5040A Z5050A

### Upright Drilling Machine

| Model | Unit | Z5032V | Z5030A | Z5035A | Z5040A | Z5050A |
|---|---|---|---|---|---|---|
| Max. drilling capacity | mm | 32 | 30 | 35 | 40 | 50 |
| Max.tappina capacity (mild steels: tensile strength 6 B=60kg/m m²) | mm | / | M14 | M16 | M18 | M20 |
| Max.tappina capacity cast iron parts: Hardness HB=220) | mm | / | M20 | M24 | M27 | M27 |
| Distance from spindle axis to column line | mm | 290 | 315 | 330 | 360 | 360 |
| Max. distance from spindle nose to table | mm | 790 | 520 | 610 | 600 | 600 |
| Max. distance from spindle nose to base plate | mm | 1300 | 1080 | 1150 | 1215 | 1205 |
| Max. travel of spindle | mm | 115 | 135 | 150 | 180 | 180 |
| Distance of worktable | mm | 790 | 480 | 540 | 560 | 525 |
| Swivel of table and table rest | | ±45° | | | | |
| Spindle taper | | MT3 | MT3 | MT4 | | |
| Spindle speed steps | | 12 | | | | |
| Spindle speed | rpm/min | L60-350; | 70-2600 | 70-2600 | 42-2050 | 42-1865 |
| Spindle feed range | (mm/r) | 0.1;0.2;0.3 | | | 0.07；0.15;0.26；0.4 | |
| Diameter of column | mm | 120 | 125 | 140 | 160 | 3170 |
| Table size | mm | 420X420 | 450X450 | 500X550 | 580X450 | 580X450 |
| Base zise | mm | 600x450 | 690X480 | 760X500 | 820X550 | 820X550 |
| Table/base T-slot | mm | 12/12 | 2-14 2-16 | | | |
| Motor power | kw | 1.1 | 1.1 | 1.5 | 2.2 | 2.2 |
| Net/gross weight | kg | 310/360 | 440/450 | 670/730 | 740/800 | 800/860 |
| Packing size | mm | 900x590x1980 | 650X1050X1950 | | 700X1150X2150 | |



### Upright Drilling Machine

| Model | Z5040T Machinery power feed Z5040ET Electrical power feed |
|---|---|
| Max.drilling capacity | Φ40mm |
| Threading in steel & cast iron | M20&M24 |
| Spindle travel | 180mm |
| Spindle taper | MT4 |
| Spindle power feed | 2steps/0.1 -0.2mm/rev |
| Spindle speed | 50-1450rpm |
| Width of T-slot | 18mm |
| Max.distance from spindle axis to surface of column | 350mm |
| Max.distance from spindle end to surface of table | 770mm |
| Max.distance from spindle end to surface of base | 1210mm |
| Table size | 560 x 560mm |
| Base size | 730 x 500mm |
| Motor power | 0.75/1.5kw |
| NW/GW | 465kgs/615kgs |
| Packing size ( Lx Wx H ) | 2270 x690 x1100mm |




Z5040T
Z5040ET



CE TUV ISO9001:2000



White Eagle®

## Z5032/1 Z5040/1 Z5045/1 Z5032C/1 Z5040C/1 Z5045C/1



### FEATURES

- Drilling, milling and tapping
- Spindle speed step-changed cyclically, spindle auto-feeding and cyclic change of feeding speed
- Head swivels 360° horizontally
- Headstock and worktable up & down perpendicularly
- Super high column
- Precision micro feed
- Positive spindle lock
- Distinct auto device for releasing tools, operate very easily
- Gear driven, lower noise

### STANDARD ACCS.

- Wedge
- Tie rod
- Washer

### OPTIONAL ACCS.

- Double Speed motor
- Bench vice 90mm, 125mm, 160mm
- Milling holder
- Drill chuck and arbor
- Milling chuck (8PCS)
- Heighten column
- Coolant system
- Working lamp
- Auto-Tapping system
- Boring bar
- Clamping kits (58pcs)

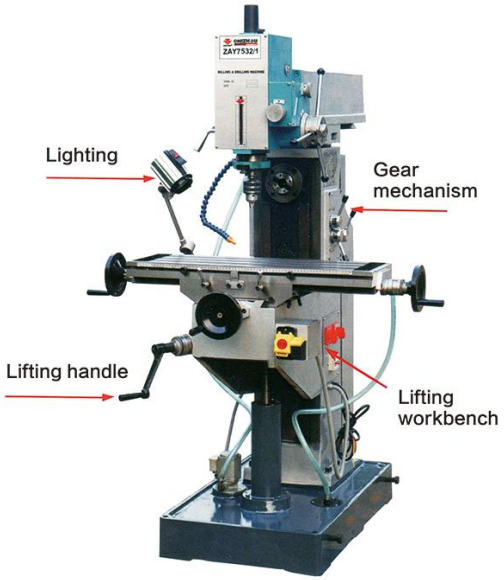
### Specification

| Model | Z5032/1 / Z5040/1 / Z5040/1 | Z5032C/1 / Z5040C/1 / Z5040C/1 |
|---|---|---|
| Max. drilling capacity | Φ32mm / Φ40mm / Φ45mm | Φ32mm / Φ40mm /Φ45mm |
| Spindle taper | M.T.3 or R8 / M.T.4 or R8 / M.T.4 or R8 | |
| Spindle trave | 130mm | |
| Step of spindle speed | 6 | |
| Range of spindle speed 50Hz | 80-1250 r.p.m | |
| 60Hz | 95-1500 r.p.m | |
| Step of spindle auto-feeding | 6 | |
| Range of spindle auto-feeding amount | 0.06-0.30mm/r | |
| Min.distance from spindle axis to column | 290mm | |
| Max. distance from spindle nose to worktable | 725mm | 700mm |
| Max. distance from spindle nose to stand table | 1125mm | |
| Max. travel of headstock | 250mm | |
| Swivel angle of headstock (horizontally/perpendicular ) | 360° | |
| Max. travel of worktable bracket | 600mm | |
| Worktable size of avaliablity | 380x300mm | 730x210mm |
| Swivel angle of table horizontally | 360° | |
| Table leaned | ±45° | / |
| Size of stand worktable of avaliability | 417x416mm | |
| Worktable travel(X/Y) | / | 500mm / 205mm |
| Vertical travel of worktable | / | 570mm |
| Motor power | 0.75KW / 1.1KW / 1.5KW | 0.75KW / 1.1KW / 1.5KW |
| Speed of motor | 1400 r.p.m | 1400 r.p.m |
| Net weighVGross weight | 440kgs/490kgs | 470kgs/530kgs |
| Packing size ( LxWxH ) | 1850x750x1000mm | 1850x950x1000mm |

Description and specification given in this catalogue are subject to modification without notice.

CE TUV ISO9001:2000

## ZAY7532 ZAY7532/1 ZAY7550 ZAY7550/1




### FEATURES

- Vertical milling head can be moved forward or backward
- Vertical milling head can swivel ±90° vertically and ±360° Horizontaly
- Adjustable stops on table
- Manual quill feed
- High tensile casting iron elevative table
- Double motor with powerful force

### Specification

| Model | ZAY7532 | ZAY7550 | ZAY7532/1 | ZAY7550/1 |
|---|---|---|---|---|
| Max.drilling capacity | ϕ32mm | ϕ50mm | ϕ32mm | ϕ50mm |
| Max.milling capacrty(end/face) | ϕ25mm/100mm | ϕ32mm/100mm | ϕ25mm/100mm | ϕ32mm/100mm |
| Swivel angle of headstock (perpendicular) | ±90° | ±90° | ±90° | ±90° |
| Spindle taper(end/face) | M.T.3 M.T.4 | M.T.4 | M.T.3 M.T.4 | M.T.4 |
| Distance from spindle nose to worktable surface | 80-480mm | | | |
| Spindle travel | 130mm | | | |
| Beam travel | 500mm | | | |
| Step of spindle speed (end/face) | 6/12 | | | |
| Range of spindle speed (end/face) 50Hz | 80-1250/38-1280(r/min) | | 90-1600/38-1280(r/min) | |
| 60Hz (4 Poles) | 95-1500/45-1540(r/min) | | 110-1920/45-1540(r/min) | |
| Step of spindle auto-feeding(end/face) | / | / | 3 | 3 |
| Range of spindle auto-feeding (end/face) | / | / | 0.12, 0.18, 0.25 | 0.12, 0.18, 0.25 |
| Worktable size | 800x240mm | 1000x240mm | 800x240mm | 1000x240mm |
| Forward and backword travel of worktable | 330mm | | | |
| Left and right travel of worktable | 585mm | 785mm | 585mm | 785mm |
| Vertical travel of worktable | 400mm | | | |
| Min.distance from spindle axis to column | 290mm | | | |
| Power(end/face) | 0.75KW/1.5KW | 1.5KW/1.5KW | 0.75KW/1.5KW | 1.5KW/1.5KW |
| Cooling pump power | 0.04KW | | | |
| Net weight/Gross weight | 430kgs/480kgs | 930kgs/1030kgs | 430kgs/480kgs | 950kgs/1050kgs |
| Packing size (LxWx H) (mm) | 1850x750x1000mm | 1220x1350x1850mm | 1850x750x1000mm | 1220x1350x1850mm |
| Loading amount/20" container | 13pcs | 12pcs | 13pcs | 12pcs |

Description and specification given in this catalogue are subject to modification without notice.



MILLING MACHINE Vertical & Horizontal Milling Machine

White Eagle®

## ZX7550CW ZX7550W



### STANDARD ACCS.

- Draw bar
- drill arbor
- Reduction sleeve
- Parallel vice
- Wrenches
- Milling chuck
- Drill chuck
- Horizontal milling arbor

### OPTIONAL ACCS.

- DRO forX/Y
- DRO forX/Y/Z
- Universal, dividing head
- 58pcs clamping kits
- CE" standard electrics
- Collected operating button
- CE protector for operator
- Electric power feed
- Water collecting plate
- Rotary table
- Water collecting plate
- Rotary table

### FEATURES

- Rectanger guide way; better stability
- Easily changing from vertical milling to horizontal milling
- Worktable can be automatically feed in X axis; and equippe with " quick-reverse" unit to realize high efficiency in working
- Headstock swivels ± 90°
- ZX7550CW Vertical milling is gear-driven; Horizontal milling is belt-driven
- ZX7550W Belt-driven for vertical & horizontal millingr

### Specification

| SPECIFICATION | ZX7550CW | ZX7550W |
|---|---|---|
| Max.drilling dia. ( mm ) | Φ50 ( 2" ) | Φ50 ( 2" ) |
| Max.horizontal milling dia. ( mm ) | Φ100 | Φ100 |
| Max.vertical milling dia. ( mm ) | Φ25 | Φ25 |
| Max boring dia. ( mm ) | Φ120 | Φ120 |
| Max.tapping dia. | M16 | M16 |
| Spindle taper | IS030、R8、MT4 | IS030、R8、MT4 |
| Spindle speeds range ( V/H ) r.p.m | V: 115-1750 ( 8 ) H:60-1350 ( 8 ) | V:230-1825 ( 8 ) H:60-1350 ( 8 ) |
| Spindle travel ( mm ) | 120 | 120 |
| Table size ( mm ) | 800 x 240 | 800 x 240 |
| Table travel ( mm ) | 400 x 230 x 350 | 400 x 230 x 350 |
| Main motor power ( Vertical/Horizontal) ( kw ) | V：0.85/1.5 H：2.2 | V：0.85/1.5 H：2.2 |
| N.W./G.W. ( kgs) | 850/1000 | 850/1000 |
| LxWxH ( mm ) | 1unit/PKG 1140x1120x2220 | 1140x1220x2220 |
| | 2units/PKG | |

Description and specification given in this catalogue are subject to modification without notice.

## ZX5325C



### FEATURES

- Rectanger guide way,better stability
- Headstock swivels ±90°
- Worktable turns ±45°
- ZX5325 Vertical milling is belt-driven
  ZX5235C Vertical milling is gear-driven

### OPTIONAL ACCS.

- DRO forX/Y
- DRO forX/Y/Z
- Universal dividing head
- 58pcs clamping kits
- "CE" standard electrics Collected operating button station
- CE protector for operator Electric power feed
- Water collecting plate
- Rotary table

### STANDARD ACCS.

- Draw bar
- drill arbor
- Reduction sleeve
- Parallel vice
- Wrenches
- Milling chuck Drill chuck

### Specification

| SPECIFICATION | ZX5325 | ZX5325C |
|---|---|---|
| Max.drilling dia | 50 | 50 |
| Max.hor izontal milling dia | 100 | 100 |
| Max.vertical milling dia | 32 | 32 |
| Max.boring dia | 100 | 100 |
| Spindle taper | MT4.R8 | MT4.R8 |
| Spindle speeds range | 270-2400 | 115-1750 |
| Spindle travel | 125 | 125 |
| Table size | 260x1000 | 260X1000 |
| Table travel | 600x280x380 | 600X280X380 |
| Main motor power | 1.5 | 0.85/1.5 |
| OverraM dimensions | 1250 X 1120X2100 | 1250X 1120X2100 |
| N.W./G.W | 700/760 | 700/760 |
| LxWxH(mm) | 1unit/PKG 2units/PKG | 1140x1200x2220 |
| | | 1140x1450x2220 |

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### OPTIONAL ACCS.

- DRO/XYZ
- Universal dividing head
- Rotary table
- Slotting head
- CE standard electrics
- CE spindle cover
- 58pcs Clamping kits

### STANDARD ACCS.

- working light
- coolant system
- Manual lubricating system
- Oil tray
- Collected operating button station
- Milling chuck
- Vice
- Horizontal milling arbor
- Changing sleeve
- Spindle draw-bar
- Dead wrench
- Allen wrench



ZX6350ZA



ZX6350ZB

### FEATURES

- Hardened and ground table surface
- Gear-driven mechanical feeding on X，Y axis with rapid backward and forward feeding function; motorized lifting and falling of table on Z axis
- Vertical milling head is gear driven and mechanical feeding; It can swivels ±45°
- Horizontal and vertical milling exchange easily

### Specification

| SPECIFICATION | ZX6350ZA | ZX6350ZB |
|---|---|---|
| Table taper | ISO40 | |
| Max.drilling diameter | Φ50,30 | |
| Spindle travel | 120 | |
| Sleeve feed | 0.08/0.15/0.25 | |
| Distance from vertical spindle to column | 200—550 | 200—550 |
| Distance from vertical spindle to table | 100-450 | 100—480 |
| Distance from horizontal spindle to table | 0-—350 | 0-—350 |
| Distance from horizontal spindle to arm | 175 | |
| Spindle speeds | 90—2000/8(V) 40-—1300/12(H) | |
| Table size | 1200x280 or 1250x320 | 1370x320 |
| Table travel(XxYxZ) | 600x300x350 or 600x320x350 | 800x320x380 |
| Feeding range of longitudinal, cross travel | 22—555/810(Max.) | (8)40-—605/870(Max.) |
| Up/down motor of table | 560 | (8)20-—280/480(Max.) |
| T-slot(number—width—distance) | 3/14/70 | |
| Main motor | 2.2 | |
| Motor of table power feed | 750 | |
| Up/down motor of headstock | 750 | |
| Coolant pump motor | 40 | |
| Speed of coolant pumps | 12 | |
| Overall dimension | 1700x1480x2150 | 1700x1480x2150 |
| N.W./G.W. | 1450/1600 | 1450/1600 |
| Size of packing | 1600x1650x2220 (1 set/case) | |
| | 1600x2260x2220 (2 sets/case) | |

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# X6323A X6323B



## STANDARD ACCS.

- Draw bar
- Electric box
- Working lamp
- Handle oil pump
- Tools and toolbox

## OPTIONAL ACCS.

- X.Y.Z Power Feed Attachment
- Up-down motor of Z axis
- Electrically lubricating pump
- Swinging button staion
- Variable milling head
- Pneumatically toollocking
- Protection for spindle
- Depth readout of spindle feed
- Milling chuck
- Oil colleting plate
- Coolant system
- Plastic splash guard
- Machine vice 6"or8"
- 58pcs clamping kits
- DROforX&Y&Z

## FEATURES

- X6323A: Double 55° dovetail guide way is adopted on Y&Z-axis, easy to adjust and to repair.
- X6323B: 55° dovetail guide way is adopted on Z-axis; Rectangular guide way on Y-axis
- X6323A/B: Adopted strengthen rib on both sides of the column that makes the machines rigid and beautiful.
- X6323A/B: The worktable surface and 3 axis guide way is hardened and precision ground .

## FEATURES

- X6325A: Double 55° dovetail guide way is adopted on both Y&Z-axis，easy to adjust and to repair.
  X6325B:Rectangular guide way on Y axis and 55° dovetail guide way on X axis makes the machine stably and easy to adjust;
  The guide way on saddle is lined with TF wearable material. So it is easy to adjust.

## FEATURES

- X6325: Rectangular guide way on Y&Z-axis is featured a good rigidity and stability.
  The guide way on saddle is lined with TF wearable material.

## FEATURES

- X6325C: Rectangular guide way on Y&Z-axis makes the machines stably and rigidly;
  The guide way on saddle is lined with TF wearable material; 5HP milling head motor and quill diameter is 0100;
  Fixed structure is used to connect the mill head without adapter, which makes the cut intensity well.

## FEATURES

- X6333: Rectangular guide way on Y-and Z-axis makes the machines stably and rigidly.
  The guide way on saddle is lined with TF wearable material.
  Super saddle structure which makes the cut intensity well.





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## FEATURES

- X6325D: Rectangular guide way on Y&Z-axis;
  The guide way on saddle is lined with TF wearable material, which makes the machines stably and rigidly, also makes it beautiful and easy to operate;
  5HP milling head motor and quill diameter is Φ100;

## FEATURES

- X6330A: Rectangular guide way on Y&Z-axis makes the machines stably and rigidly.
  The guide way on saddle is lined with TF wearable material. Fixed structure is used to connect the mill head without adapter, which makes the cut intensity well.

## FEATURES

- X6330: Rectangular guide way is adopted both on Y&Z-axis. The guide way on saddle is lined with TF wearable material .Which makes the machine is stable and rigid, also makes it beautiful and easy to operate.
  The worktable surface and 3 axis guide way are hardened and precision ground.
  Z axis adopt high speed lifting motor.
  5HP milling head motor and quill diameter is Φ100.also makes it beautiful and easy to operate;
  5HP milling head motor and quill diameter is Φ100;

## Specification

| Model | | Unit | X6323A | X6323B | X6325A | X6325B | X6325 | X6325C | X6325D | X6330 | X6330A | X6333 | X6333A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Table size | | mm | 230*1067 or 230*1246 | | 254*1270 or 254*1370 | | | | 254*1270or 254*1370 | 305*1370 or 305*1500 | | 330*1370 or 330*1500 | |
| Long travel | | mm | 650 840 | | 850 950 | | | | 850 950 | 870 1000 | | 840 1000 | |
| Cross travel | | mm | 305 | | 400 | | 420 | | | 380 | | 368 | |
| Vertical travel | | mm | 400 | | 420 | | | | 420 | 430 | | 450 | |
| T-slot No. and size | | | 3*16 | | | | | | | | | | |
| Ram travel | | mm | 312 | | 470 | | | | | 500 | | | |
| Distance from spindle nose to table surface | | mm | 15-415 | | 0-420 | | | | | 0-435 | | 0-450 | |
| Spindle hole taper | | | standard:R8 Optional:IS030/IS040 | | | | | Std:IS040 | | Std:IS040 | | | |
| Spindle travel | | mm | | | | | | | | | | | |
| Spindle speed | | rpm | Standard: 16(shiftgrade): 50HZ65-4500,60HZ80-5440 | | | | | | | Standard: 16(shiftgrade): 50HZ65-4500, 60HZ:80-5440 | | Standard: 16(shiftgrade): 50HZ65-4500, 60HZ:80-5440 | |
| | | rpm | Optionahvariable 65-4500 | | | | | Optionahvariable 65-3750 | | | | | |
| Auto.quill feed | | mm | Three grades:0.04/0.08/0.15 | | | | | | | | | | |
| Spindle motor | | Kw/hp | 2.25kw/3hp | | | | | 3.75kw/5hp | | 3.75kw/5hp | | | |
| Head swivel | | degree | 90° | | | | | | | | | | |
| Head tilting | | degree | 45° | | | | | fixed | 45° | | fixed | 45° | fixed |
| Package | 1 set/case | mm | 1400x1476x2030 | | 1516x1550x2080 | | | | | 1566x1650x2080 | | 1800x2016x2180 | |
| | 2sets/case | mm | 1450x1570x2080 | | 1650x1790x2170 | | | | | 1720x1800x2175 | | 1800x2200x2180 | |
| | 3sets/case | mm | 1450x2180x2080 | | 1650x2285x2235 | | | | | | | | |
| N.W./SET | | kgs | 1100 | 1160 | 1380 | 1420 | 1550 | 1590 | 1590 | 1700 | 1750 | 2300 | 2350 |

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## FEATURES

- High precision bored and honed milling head
- Precision ground worktable
- Tilting and swivelling head
- With Mirco-feed handwheel and lever down feed
- Adjustable gibs on table
- Adjustable stops on table
- Accurate position, strong rigidity, strong cutting power
- Gear driven, lower noise

## STANDARD ACCS.

- Speed display
- halogen lamp
- Morse taper MT2/B16
- Speed display
- halogen lamp
- Morse taper MT2/B16

## OPTIONAL ACCS.

- Coolant pump
- Milling vice
- Keyless chuck 1-13mm/B16
- Milling chuck
- End mill cutter
- Stand
- Chip tray







## *BF16V BF20V*

Specification

| SPECIFICATION | Unit | BF16V | BF20V (BF20LV) |
|---|---|---|---|
| Max. drilling capacity | mm | Max.16 | Max. 20 |
| Max. face milling capacity | mm | Max.52 | Max. 65 |
| Max. end milling capacity | mm | Max.16 | Max. 20 |
| Working range | mm | 175 | 190 |
| Working table size | mm | 500 x140 | 500x180(700X180) |
| T-solt size | mm | 10 | 12 |
| X axis travel | mm | 320 | 290(490) |
| Y axis travel | mm | 160 | 180 |
| Z axis travel | mm | 220 | 380 |
| Taper of spindle bore | | MT2/M10 | MT2/M10 |
| Sleeve travel | mm | 52 | 52 |
| Range of spindle speeds | rpm | 50-3000 | 50-3000 |
| Headstock tilt left and right | | ± 90° | ±90° |
| Main power | W | 600 | 850 |
| N. W/G. W | Kgs | 70/90kg | 110/140(130/160) |
| Packing size | mm | 520x510x840 | 610x560x900(770X720X910) |

## *BF30V BF25V*

Specification

| SPECIFICATION | Unit | BF30V | BF25V(BF25LV) |
|---|---|---|---|
| Max. drilling capacity | mm | Φ 32 | Φ 20mm |
| Max. face milling capacity | mm | Φ76 | Φ65 |
| Max. end milling capacity | mm | Φ20 | Φ20 |
| Working table size | mm | 700x210 (840x210) | 500x180(700x180) |
| T-slot size | | 12 | 12 |
| X-axis travel | mm | 425 or 565 | 290 or 490 |
| Y-axis travel | mm | 220 | 180 |
| Z-axis travel | mm | 380 | 360 |
| Taper of spindle bore | | MT3 | MT3 |
| Sleeve travel | mm | 70 | 52 |
| Range of spindle speeds | rpm | 50-3000 | 50-3000 |
| Headstock tilt left & right | | ±90° | ±90° |
| Motor power | Kw | 1100 | 850 |
| NW/GW | Kgs | 200/240 230/270 | 120/140(140/160) |
| Package size ( LxWxH ) | mm | 710/850x890x1120 | 620Xx60x900(770x720x910) |

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## Radial Drilling Machine

| Model | Unit | Z3032X10 | Z3040 X13 | Z3050X16 |
|---|---|---|---|---|
| Max.Drilling capacity | mm | Φ32 | Φ40 | Φ50 |
| Spindle travel | mm | 250 | 275 | 315 |
| Distance from spindle axis to column surface | mm | 200-1000 | 200-1300 | 350-1600 |
| Max.Distance from spindle nose to worktable | mm | 664 | 900 | 720 |
| Max.Distance from spindle nose to base | mm | 1064 | 1250 | 1220 |
| Spindle taper | | MT.4 | MT.4 | MT5 |
| Spindle speeds range | rpm | 71-1800 | 54-1360 | 25-2000 |
| Spindle speeds | step | 8 | 8 | 16 |
| Worktable size | mm | 450x400x400 | 600x400x350 | 630x500x500 |
| Base size | mm | 740x1500 | 840x1900 | 1000x2400 |
| Overall height | mm | 2354 | 2540 | 2650 |
| Motor power | kw | 2.2 | 3 | 4 |
| N.W | kgs | 1400 | 2000 | 3500 |
| Packing size ( Lx WxH ) | mm | 1850 x 900 x2100 | 2180x1000 x 2260 | 2750x1140 x2550 |

*Z3032X10*
*Z3040 X13*
*Z3050X16*




## Radial Drilling Machine

| Model | Unit | Z3080x25 | Z3063x20 |
|---|---|---|---|
| Max. Drilling capacity | mm | 80 | 63 |
| Spindle travel | mm | 450 | 400 |
| Distance between spindle axis and column | mm | 500-2500 | 450-2000 |
| Distance between spindle nose and working surface of base plate | mm | 550-2000 | 400-1600 |
| Spindle taper | MorseNo. | 6# | 5# |
| Range of spindle speeds | rpm | 16-1250 | 20-1600 |
| Number of spindle speeds | step | 16 | 16 |
| Table size | mm | 800x1000 | 630x800 |
| Range of spindle feeds | mm/r | 0.04-3.20 | 0.04-3.20 |
| Number of spindle feeds | step | 16 | 16 |
| Distance of headstock horizontal movement | mm | 2000 | 1600 |
| Spindle motor power | kw | 7.5 | 5.5 |
| Net weight | kg | 11000 | 7000 |
| Overall dimensions(LxWxH) | mm | 3730*1400*4025 | 3080*1250*3400 |

*Z3080x25*
*Z3063x20*



## G5012W





## G5018WA



## G4017
## G4023
## G5015

### Specification

| SPECIFICATION | G5012W | G5018WA |
|---|---|---|
| Description | Metal cutting band saw | Metal cutting band saw |
| Motor(w) | 370 | 750 |
| Blade size(mm) | 1638x12.5x0.6 | 2360 x 20 x 0.9 |
| Blade speed(50HZ) | 20/29/50m/min | 34/41/59/98m/min |
| Blade speed(60HZ) | 24/36/61 m/min | 41/49/69/120m/min |
| Table size(mm) | 245 x 245 | 180(round) 180 x 300(square) |
| Vice tilt | 0° -45° | / |
| Cutting capacity | • 100mm | 90° • 180mm ■180 x300mm |
| | ■ 100 x 150mm | 45° •110mm ■110 x 180mm |
| N.G. weight(kgs) | 61/64 | 158/185 |
| Packing size(mm) | 1020x320x390 | 1250x450x1080 |
| Units/20"container | 230 | 42 |

| SPECIFICATION | G5015(6", Variable) | G4017(6.5") | G4023(9") | G4028(11") |
|---|---|---|---|---|
| Motor | 500 | 900 ( 230V ) 9 00/550(380V) | 1100(230V) 1100/590(380V) | 2200W(380V) |
| Blade size(mm) | 1735x13x0.9 | 2110x20x0.9 | 2460 x 27 x 0.9 | 3505 x 27 x 0.9 |
| Blade speed(m/min) | 20-65 | 80(230V), 97(110V), 80/40(380V) | 72(230V),87(110V), 72/36(380V) | 25,45,70 |
| Table size(mm) | | / | / | 245 x 245 |
| The bow swivel degree | 0~60° | 0~60° | 0~60° | / |
| Vice tilt | | / | / | 0~45° |
| Cutting capacity at 90。 | • 150mm ■ 150x 180mm | • 170mm ■ 170x 170mm ■ 210 x 140mm | •220mm ■220 x 220mm ■ 260 x 110mm | • 280mm 1280 x 300mm |
| Cutting capacity at 45° | • 115mm ■ 150x 115mm | • 120mm ■ 110x 110mm | • 150mm ■ 145x 145mm | • 195mm ■ 195x 280mm |
| Cutting capacity at 45° | • 70mm | • 70mm ■ 60x 60mm | • 90mm ■ 85x 85mm | / |
| N.W./G.W.(kgs) | 58/61 (body) 38/41 (stand) | 160/200 | 220/264 | 650/800 |
| | 930 x 470 x 480(body) 740 x 540 x 330(stand) | 1260x540x900(body) 750 x 560 x 150(stand) | 1450x570x1040(body) 830 x 780 x 170(stand) | 1750x1050x1160 |
| Packing size(mm) | 46pcs | 28pcs | 28pcs | 11pcs |

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## G5027



## G5022



### Specification

| Model | G5020( 8" ) | G5022( 8" ) | G5025( 10" ) | G5027( 11" ) |
|---|---|---|---|---|
| Motor | 1100W | 1100/590(380V) | 1500/750W(380V) | 1900/2200W (380V) |
| Blade size | 2360x20x0.9mm | 2480x27x0.9 | 2725x27x0.9mm | 2925X27X0.9mm |
| Blade speed | 24,41, 61,82(50hz) | 45/90 | 72/36m/min | 36/72m/min |
| | 29,50,75,100(60hz) | | | |
| The bow swivel degree | -45° ~+45° | 0° -60° | -45° ~+60° | -45° ~+60° |
| Cutting capacity at 90° | • 205mm | • 225mm | • 250mm | • 270mm |
| | / | ■245x150mm | ■240x240mm | ■ 260x260mm |
| | ■ 215x205mm | / | ■ 310x210mm | ■ 350x240mm |
| Cutting capacity at 45° | • 143mm | • 160mm | • 200mm | • 230mm |
| | / | ■ 160x160mm | ■ 180x180mm | ■ 210x210mm |
| | ■ 143x115mm | / | ■ 200x140mm | ■ 230x150mm |
| Cutting capacity at 60° | / | • 100mm | • 120mm | • 140mm |
| | / | / | ■ 95x95mm | ■ 140x140mm |
| | / | / | ■ 120x95mm | / |
| Cutting capacity at 45° (Left) | / | / | • 150mm | • 200mm |
| | / | / | ■ 150x150mm | ■ 170x170mm |
| | / | / | ■ 1 170x90mm | ■ 200x140mm |
| Size of packing | 1230x650x820(body) 575x545x260(stand) | 1380x580x1000 | 1600x720x1050(body) 1055x745x185(stand) | 1920x960x1250mm |
| N.W./G.W. | 190/227kgs | 200/250kgs | 330/380kgs | 600/700kgs |
| Unit/20' container | 24pcs | 26pcs | 22pcs | 6pcs |

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## BS-912B
## BS-916B



Specification

| Model | | BS-912B | BS-916B |
|---|---|---|---|
| Max | Circular@90° | 229mm (9") | 229mm (9") |
| | Rectagular@90° | 178 x 305mm (7" x 12") | 127x405mm (5"x 16") |
| | Circular@45° | 150mm (6") | 150mm (6__) |
| Capacity | Rectagular@45° | 127x150mm(5"x6") | 150x190mm(6"x7.5") |
| Blade speed @60HZ | | 32\60\88\115MPM | 32\60\88\115\MPM |
| | | 85\164\240\312 FPM | 114\196\288\377FPM |
| @50HZ | | 26\50\73795MPM | 26\50\73\95MPM |
| | | 85\164\240\312 MPM | 85\164\240\312 FPM |
| Blade size | | 27 x 0.9 x 2655mm | 27 x 0.9 x 3090mm |
| | | 1.06" x 0.036" x 104.5" | 1.06" x 0.036" x 122" |
| Motor | | 735w(1HP) | 1.1Kw(1.5HP) |
| Drive | | V-belt | V-belt |
| Packing Size | | 160 x 60 x 1150cm | 176x83x115cm |
| NW/GW | | 200/248 KG | 290/348KG |

## BS-712N
## BS-180G
## BS-712G



Specification

| Model | | BS-712N | BS-180G | BS-712G |
|---|---|---|---|---|
| Max | Clrcular@90° | 178mm(7") | 180mm(7H) | 178mm(7") |
| Capacity | Rectagular@90° | 178x305(7"x12H) | 180 x260mm(7,,X10") | 178x305(7"x12H) |
| | Circular@45° | 127mm(5__) | 105mm(4") | 127mm(5__) |
| | Rectagular@45° | 120x125mm(4.75"x4_88") | 120 x105mm(4.75x4") | 120x125mm(4.75"x4_88") |
| Blade speed @60HZ | | 27/41/59/78 MPM | 39\66\82MPM | 27/41/59/78 MPM |
| @50HZ | | 22/34/49/64/MPM | 34\55\66MPM | 22/34/49/64/MPM |
| Blade size | | 19.05 x 0.8 x 2362mm | 19.05 x 0.8 x 2362mm | 19.05 x 0.8 x 2362mm |
| | | 0.75,,x0.03,,x93" | 0.75" x 0.03" x 93" | 0.75,,x0.03,,x93" |
| Motor | | 750W(1HP) | 750w(1HP) | 750W(1HP) |
| Drive | | V-Belt | Gearbox | V-Belt |
| Packing size | | 125 x45 x 115cm | 130 x 57 x112cm | 125 x45 x 115cm |
| | | 55" x 22" x 45" | 51" x22" x 44" | 55" x 22" x 45" |
| N.W./G.W. | | 180/227 kg | 180/210kg | 180/227 kg |

Description and specification given in this catalogue are subject to modification without notice.





White Eagle®

## FEATURES

- HP ( HPB ) series hydraulic press ( bending machine ) are used for assembling, dismantling, alignment,calendaring, tension, bending and punching.
- The machine supplied oil by Italy CNK and CBZ pump. It could save 60% energy compared with the traditional model. The efficiency increased to 2-3 times.
- It takes the advantages of small volume, high pressure, simple structure and light weight.
- The worktable could do up-down movement, easy operation.



HP63

HP150

Hydraulic Press Machine

| MODEL | HP-30/HPB-30Z | HP-50/HPB-50Z | HP-63/HPB-63 | HP-100/HPB-1010Z | HP-150/HPB-150ZI |
|---|---|---|---|---|---|
| CAPACITY ( KN ) | 300 | 500 | 630 | 1000 | 1500 |
| PRESSURE ( MPa ) | 25 | 25 | 30 | 30 | 42 |
| TRAVEL (mm) | 300+270 | 220+405 | 220+405 | 250+405 | 250+405 |
| TABLE SIZE ( mm ) | 300*400 | 400*800 | 400*800 | 460*980 | 460*980 |
| DIMENSION ( mm ) | 800*350*1400 | 1350*650*1950 | 1350*650*1950 | 1850*850*2250 | 1850*850*2250 |
| | | | | 750*650*960 | 750*650*960 |
| WEIGHT ( KG ) | 420/650 | 780/1100 | 820/1500 | 1120/1420 | 1450/1850 |

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HP-30S



HP-50S

Mandrel Press

| MODEL | HP-1OS | HP-20S | HP-30S | HP-40S | HP-50S |
|---|---|---|---|---|---|
| CAPACITY ( KN ) | 100 | 200 | 300 | 400 | 500 |
| PRESSURE ( MPa) | 50 | 50 | 50 | 60 | 60 |
| TRAVEL (mm) | 180+450 | 200+450 | 200+450 | 250+450 | 250+450 |
| TABLE SIZE ( mm ) | 200*300 | 200*300 | 300*400 | 360*500 | 360*680 |
| DIMENSION ( mm ) | 700*450*1300 | 700*450*1300 | 750*500*1500 | 1100*650*1500 | 1100*650*1750 |
| WEIGHT ( KG ) | 180/230 | 220/270 | 260/310 | 320/370 | 460/510 |

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## MJ7115



### FEATURES

- This small-type grinder is designed to grind various horizontal and vertical surfaces of the workpieces by the periphery and end faces of the grinding wheel respectively.
- It can also grind various contoured workpieces with shaped wheel.
- With simple structure and easy operation and maintenance, it can be used in small enterprises, repair shops and family.

| Model | MJ7115 |
|---|---|
| Longitudinal stroke | 340mm |
| Lateral stroke | 170mm |
| Grinding height | 210mm |
| Area of table | 152mm x 304mm |
| Grinding wheel | 180mm x 32mm x 13mm |
| Power of motor | 0.55kw |
| N. W./G.W. | 210/258kg |
| Overall dimension ( LxWxH ) | 930 x 780 x 730mm |
| Packing dimension (LxWxH) | 1100x760x860mm(machine) |
| | 770x780x630mm(machine stand) |

## M618A MS618A




### FEATURES

- Adopt the exceeding precise class7(P4 level) ball bearing for spindle
- Bring transmission by synchronous belt, operating simple and convenient
- 3-axis manual operation, X，Y axis can be electric auto operation.
- High rigidity H-frame column with spindle center to table
- Enhanced ribbed full cast iron base
- Enlarged spindle housing for heavier grinding
- Cartridge w / 4 preload class 7 (P4) bearing
- Roller steel balls on linear table ways for easy and smooth longitudinal movements.
- Double-V saddle ways for rigidity
- Manual lubrication system

### STANDARD ACCS.

- tool box, tools, puller for adaptor, grinding wheel, wheel dresser, flange，balancing shaft, balancing stand, drain pipe, water inlet pipe, machine cushion, permanent magnetic chuck, diamond pen，water cooling system

| MODEL | | Units | M618A | MS618A |
|---|---|---|---|---|
| Max.workpiece to be Ground ( LxWxH) | | mm | 500 x 190x335 | 500 x 190x335 |
| Max. Grinding Length | | mm | 500 | |
| Max. Grinding Width | | mm | 190 | |
| Distance From Table Surface To Spindle Center | | mm | 335 | |
| Slide way | | | V-type rail with Steel-ball | |
| V-type rail with Steel-ball | | Kg | 200 | |
| Table Size (Lx W) | | mm | 460x 180 | |
| Number of T -Slot | | mm x n | 14x1 | |
| Cross Feed On Handwheel | | mm | 0.02/Graduation 2.5/revolution | |
| Vertical Feed On Handwheel | | mm | 0.01/Graduation 1.25/revolution | |
| Wheel Size (dia. x width x bore ) | | mm | 200 x 16x31.75 | |
| Spindle Speeds | 50Hz | rpm | 2850 | |
| | variable | | 0-6000 | |
| Spindle Motor | | Kw | 1.1 | |
| Coolant Pump | | Kw | 0.4 | |
| Minimum of Numerical Display | | mm | / | 0.001-0.005 |
| Machine Size (LxWxH) | | mm | 1550 x 1060 x 1590 | |
| Packing Size (LxWxH) | | mm | 1060 x 1170 x 1870 | |
| Gross/Net | | Kgs | 750/650 | 790/690 |

Description and specification given in this catalogue are subject to modification without notice.





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## MY1022




## MY1224




### Mandrel Press

| Hydraulic surface grinder | Unit | MY820 | MY1022 | MY1224 | MY1230 | MY4080 |
|---|---|---|---|---|---|---|
| Table Size (Lx W) | mm | 480 x 200 | 540 x 250 | 600x300 | 750x300 | 800x400 |
| Max.workpiece to be Ground ( LxWxH) | mm | 530 x 220 x 450 | 560x260x450 | 630 x 320 x 480 | 780x320x480 | 900 x 480 x 600 |
| Max. Grinding Length | mm | 480 | 540 | 600 | 750 | 800 |
| Max. Grinding Width | mm | 200 | 250 | 300 | 300 | 400 |
| Distance From Table Surface To Spindle Center | mm | 450 | 450 | 480 | 480 | 600 |
| Slide way | | V-type rail with Steel-ball | | | Double V-type rail | V-type rail with Steel-ball |
| V-type rail with Steel—ball | Kg | 0.02/Graduation 2.5/revolution | | | | 0.02/Graduation 4/revolution |
| Number of T -Slot | mm x n | 0.01/Graduation 1.25/revolution | | | | 0.01/Graduation 1/revolution |
| Speed of Working Table | m/m in | 200 | 200 | 200 | 200 | 200 |
| Cross Feed On Handwheel | mm | 14x1 | 14x1 | 14x1 | 14x1 | 14x 3 |
| Vertical Feed On Handwheel | mm | 3-20 | 3-20 | 3-20 | 3-20 | 3-25 |
| Wheel Size (dia. x width x bore ) | mm | Φ200x20 xΦ31.75 | Φ200x20 xΦ31.75 | Φ200x25.4 xΦ31.75 | Φ300x30 x Φ75 | Φ355x40 x Φ127 |
| Spindle Speeds(50hz) | rpm | 1850 | | 1450 | 1450 | 1440 |
| Spindle Motor | Kw | 1.1 | 1.5 | 2.2 | 2.2 | 4 |
| Hydraulic station motor | Kw | 1.5 | 1.5 | 2.2 | 2.2 | 2.2 |
| Working Pressure | Mpa | 3 | 3 | 4 | 4 | 4 |
| Max.Capacity | L/min | 18 | | 20 | 20 | 20 |
| Oil tank capacity | L | 80 | | 100 | 100 | 100 |
| Surface roughness | mm | Ra0.32 | | | | Ra0.63 |
| Machine Size (LxWxH) | mm | 1680x1140x1760 | 1680x1220x1720 | 1960x1480x1850 | 1960x1480x1850 | 2550 x 1650x 2200 |
| Packing Size (LxWxH) | mm | 1630x1170x1940 | 1630x1290x1940 | 2000x1640x2020 | 2000x1640x2020 | without package |
| G.W./N.W. | kgs | 850/750 | 1000/900 | 1430/1300 | 1530/1300 | 3200/2800 |

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M7130
M7132
M7140



M7125A

## Specification

| MODEL | M7125S | M7125A |
|---|---|---|
| Grinding Capacity LXWXH | 500X250X330mm | 500X250X330mm |
| Longitudinal table travel | 550mm | 520mm |
| Cross table travel | 275mm | 275mm |
| Spindle centerline to table | 410mm | 410mm |
| Safety load of bench (in max ) | 100kg | 100kgs |
| Table size | 500X250mm | 500X250mm |
| T-slot | 12mmX1 | 12mmX1 |
| Bench speed | 3-23m/min | 3-23m/min |
| Cross auto feed | / | 0.6-10mm |
| Cross handwheel graduation | 0.02mm | 0.02mm |
| Cross handwheel per revolution | 3mm | 3mm |
| Wheel size(OD x W x ID) | 200x16x31.75mm | 200x16x31.75mm |
| Spindle speed | 2850r/min | 2850r/min |
| Vertical fine adjustment graduation | 0.002 | 0.002 |
| Vertical per fine adjustment revolution | 0.15 | 0.15 |
| Spindle motor | 1.1 kw | 1.1 KW |
| Overall dimensions: LxWxH | 1550X1180X1840mm | 1550X1180X1840mm |
| Size of packing( L*W*H) | 1650x 1300 x 1980 | 1650 x 1300x 1980 |
| G.W./N.W. | 1.6T/1.3T | 1.5T/1.3T |

| MODEL | | Unit | M7130 | M7132 | M7140 |
|---|---|---|---|---|---|
| Size of worktable (LxWxH) | | mm | 1000x300x400 | 1000x320x400 | 1000x400x400 |
| Max.Longitudinal movement of worktable | | mm | | 1100 | |
| Max.Distance from the spindle centerline to worktable surface | | mm | | 570 | |
| Max.Cross movement Grinding head | | mm | 350 | 370 | 450 |
| Vertical movement of the grinding head by handwheel | Per gradutation | mm | | 0.01 | |
| | Per revolution | mm | | 1 | |
| Rapid lifting motor Power | Power | Kw | | 0.37 | |
| | Speed | r/min | | 1440 | |
| Abrasive wheel dim(Dxdxw ) | | mm | | Φ350x40x127 | |
| Speed of grinding wheel | | r/min | | 1440 | |
| Total power of motor | | Kw | | 9 | |
| Power of spindle motor | | Kw | | 5.5 | |
| Power of oil pump motor | | Kw | | 3 | |
| Parallelism of Work piece Surface to Base level | | mm | | 0.015/1000 | |
| Surface roughness | | M m | | Ra:0.63 | |
| N/G weight | | Kg | 3680/4000 | 3980/4200 | 4100/4600 |
| Package(L x WxH) | | mm | 2800x 1750x2350 | 2800x1750x2350 | 2800x1750x2350 |

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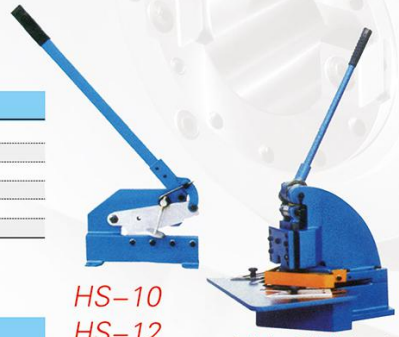
### Hand Shear

| MODEL | | HS-10 | HS-12 |
|---|---|---|---|
| Capacity (mm) | Blade length | 254 ( 10") | 304 ( 12") |
| | Sheet steel | 6 | 6 |
| | Flat steel | 70x6 | 70x6 |
| | Round steel | 13 | 13 |
| N.W./G.W(KG) | | 21/23 | 26/28 |
| Packing size(cm) | | 74x16x44 | 74x16x44 |



HS-10
HS-12

HN-3/HN-4

### Hand Notcher

| MODEL | HN-3 | HN-4 |
|---|---|---|
| Capacity(Ton) | 3 | 4 |
| Thickness(mm) | 1.5 | 1.6 |
| Punches(mm) | 125x125 | 152x152 |
| 90。 Angel(mm) | 125x125 | 152x152 |
| Ram stroke(mm) | 25 | 20 |
| N.W./G.W | 22/30 | 75/85 |
| Packing size ( mm ) | 47x39x44 | 61 x 57x56 |

### Foot Shear

| MODEL | FS-1640 | FS-1652 |
|---|---|---|
| Capacity ( mild steel) | 16 Gage ( 1.6mm ) | 16 Gage ( 1.6mm ) |
| Shearing Length Capacity | 37" ( 1016mm ) | 52" ( 1320mm ) |
| Rang Back Gauge | 30" ( 762mm ) | 30" ( 762mm ) |
| Rang Front Gauge | 13" ( 330mm ) | 13" ( 330mm ) |
| Weight N.W/G.W | 370kgs/400kgs | 460kgs/495kgs |
| Dimensions ( Lx Wx H ) | 1160 x1880 x1070mm | 580 x 1880 x 1070mm |
| Packing Measurement ( LxWxH ) | 1320 x860 x1240mm | 1640 x770 x1210mm |



FS1652/FS1640



SLIP ROLL

### Slip Roll

| MODEL | Max thickness | Max width | Diaof Roll | G.W/N.W |
|---|---|---|---|---|
| S01-0.8x305 | 0.8mm | 305mm | 25.4mm | 14.5/13 ( kg ) |
| S01-0.8x610 | 0.8mm | 610mm | 38mm | 40/37 ( kg ) |
| S01-0.8x915 | 0.8mm | 915mm | 50mm | 98/80 ( kg ) |
| S01-0.8x1000 | 0.8mm | 1000mm | 50mm | 107/86 ( kg ) |



3-IN-1COMBINATION

### COMBINATION SHEAR,BRAKE & ROLL MACHINE

| MODEL | 3-IN-1/12" | 3-IIM-1/24" | 3-IN-1/30" | 3-IINJ-1/40" | 3-IN-1/42" | 3-IN-1/52" |
|---|---|---|---|---|---|---|
| Bed width ( mm ) | 305( 12" ) | 610 ( 24") | 760 ( 30") | 1016 ( 40") | 1067 ( 42") | 1320 ( 52") |
| Shearing thickness ( mm ) | 1 | 1 | 1 | 1 | 1 | 1 |
| Bending thickness ( mm ) | 1 | 1 | 1 | 1 | 1 | 1 |
| Bending Angle ( degree ) | 90 | 90 | 90 | 90 | 90 | 90 |
| Rolling Thickness ( mm ) | 1 | 1 | 1 | 1 | 1 | 1 |
| Min. rolling Dia. (mm) | 39 | 39 | 39 | 43 | 43 | 51 |
| Packing Dimension ( cm ) | 50x34x42 | 82x45x65 | 97x45x65 | 135x50x75 | 142x50x75 | 169x57x78 |
| N.W./G.W ( KGS ) | 45/46 | 100/120 | 120/140 | 220/240 | 260/280 | 440/480 |
| Loading Qty of 20" container | 180 | 105 | 90 | 60 | 48 | 39 |

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## M–30A Universal Cutter Grinder FEATURES

- For grinding HSS and carbide engraving cutter as well as single lip or multiple lip cutters of various shapes such as radiuses cutters or negative taper angle of cutters. The universal index head is provided at 24 positions so that any particular angle of shape can be obtained, free 3600 or 100 rotation is allowed for grinding End MillsVTwist Drill\Lathe Tools, only replace the attachment to the index head without any complex setup.



M–30A

### HYDRAULIC PRESS MACHINE

| MODEL | M–30A/U2 |
|---|---|
| Max. collet capacity: | Φ25 mm |
| Max. grinding dia.: | Φ25 mm |
| Taper angle: | 0–180(degree) |
| Relief angle: | 0–45(degree) |
| Negative angle: | 0– 25(degree) |
| Grinding spindle: | 5200 r. p. m. |
| Cup grinding wheel: | 100x50x20 |
| Motor: | 1/3HP 220V 50/60HZ |
| Net weight: | 55 kgs |
| Gross weight: | 65 kgs |
| Machine dimensions: | 45x40x35 cm |
| Packing dimensions: | 56x47x47 cm |

Description and specification given in this catalogue are subject to modification without notice.

### OPTIONAL ACCESSRIES (M–30A)

| END mill grinding attachment | Twist drill grinding attachment | Lathe tool grinding attachment |
|---|---|---|
|  |  |  |

### STANDARD ACCS. ( M–30A )

- Diamond Wheel Dresser
- Collets five: 4/6/8/10/12mm (or inch)
- Wrench & Spanner Set
- Grinding Wheel Wheel Mount
- Aligning
- Finger
- Lock Pin
- Drive Belt



M–20A

### HYDRAULIC PRESS MACHINE

| MODEL | M–20A |
|---|---|
| Cup wheel diameter–thickness–bore | 4"x2"x3/4" |
| Spindle speed | 5200rpm |
| Collet capacity | 1/8" to 5/8" |
| Longitudinal travese if index head carrier | 5–1/2" |
| Fine longitudinal adjustment travel of index head carrier | 3/4" |
| Taper angle | 0–180° |
| Negative taper angle | 0–52° |
| Relief angle | 0–44° |
| Motor | 1/4hp，3400r.p.m |
| Net weight | 60kgs |
| Overall dimensions | 48x38x36.50cm/18"x14"x14" |
| Collets | 1/8", 3/16", 1/4", 5/16H, 3/8", 1/2", 5/8H |
| Stone wheel | 48x39x36.5cm/4"x2"x3/4" |

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White Eagle ®

## FEATURES

- The machine can be matched with different fittings in lines with tools to grind so as to grind drill–bit, screw tap ,end–milling cutter. R–shaped turning tool.R–shaped milling cutter,hobbing knife,round paper cutting knife.The motor can rotate 360,The two sides of the motor can be installed with two grinding wheels at the same time.When you grind cutting tools of different materials,you may restart grinding by simply rotating the motor,Which can enhance security and reduce the time of disassembling and repatation.
  It adopts the FC30 cast iron ofhigh toughness to keep the precision of the machine.



M–50A

## STANDARD ACCS.

- Grinding Wheel
- Universal tool grinder
- Turning tool holder
- Taper shank arbor
- MT4 Taper collect 8,10,12mm
- Dead wrench
- Allen wrench

## OPTIONAL ACCS.

- End–milling cutter grinder
- Universal R–type cutter sharpener
- Universal cutter–Replacing free grinder
- Machine stand

### Specification

| MODEL | M–50A |
|---|---|
| Max workpiece dia | 270mm |
| Max work piece length(between centers) | 270mm |
| Center height over the table | 137mm |
| Longitudinal displacement of the table | 300mm |
| Transverse displacement of the table | 190mm |
| Vertical travel of the wheel | 150mm |
| The area of the bench | 130X530mm |
| Swivel of the wheel head in the horizontal plane | ±45° |
| Tilting of the wheel spindle | ±45° |
| Wheel spindle speeds | 2800rpm |
| Voltage | 110V/220V/380v |
| Total power | 1HP(750W) |
| Overall dimension | 680 x 560 x 590mm |
| Size of case | 700 x 640 x 640mm |
| Gross weight/Net Weight | 160kg |

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HP–2S

Manual press Model HP

| Model | Unit | HP－1/2S | HP-1S | HP-2S | HP-3S | HP-5S |
|---|---|---|---|---|---|---|
| Capacity(KN) | | 5 | 5 | 5 | 5 | 5 |
| Handle power(N) | | 200 | 200 | 200 | 200 | 200 |
| Travel(mm) | | 150+60 | 150+60 | 150+60 | 150+60 | 150+60 |
| Table size(mm) | | 150*100 | 150*100 | 150*100 | 150*100 | 150*100 |
| Dimesion(mm) | | 400*200*400 | 400*200*400 | 400*200*400 | 400*200*400 | 400*200*400 |
| Weight(kg) | | 18 | 18 | 18 | 18 | 18 |



J01–0.2

Manual press Model J01

| Model | Unit | J01-0.2 | J03-0.6 |
|---|---|---|---|
| Max. nominal pressure | KN | 2 | 6 |
| Max. shut height | mm | 110 | 160 |
| Shut height adjustable travel | mm | 80 | 90 |
| Max. stroke | mm | 32 | 30 |
| Strokes regulate capacity | mm | 20 | |
| Throat of depth | mm | 65 | 100 |
| Diameter of stembole | mm | 12x25 | 12x35 |
| Bed dimension | mm | 120x170 | 165x160 |
| overall dimension | mm | 190X220x290 | 265x210x480 |
| Weight | kg | 13.5 | 40 |



JB04–2

Table Press Model JB04

| Model | Unit | JB04-1T | JB04-0.5T | JB04-2T | JB04-5T |
|---|---|---|---|---|---|
| Max.nominal pressure | KN | 10 | 5 | 20 | 50 |
| Stroke of slide | mm | 40 | 26 | 40 | 48 |
| Stroke per minute | mm | 250 | 250 | 220 | 245 |
| Max.shut height | mm | 150 | 115 | 210 | 230 |
| Diameter of stembole | mm | dia.20x45 | dia.16x40 | dia.20x48 | dia.30x48 |
| Bed dimension | mm | 270x270 | 250x250 | 325x300 | 360x360 |
| Motor power | kw | 0.37 | 0.25 | 0.45 | 0.75 |
| Overall dimension | mm | 480x320x540 | 460x300x460 | 530x420x615 | 800x660x560 |
| Weight | kg | 89 | 68 | 150 | 300 |





White Eagle®

WC67Y



HYDRAULIC PRESS MACHINE

| MODEL | Nominal pressure | Length of worktable | Slide Stroke | Working speed | Net weight | Motor Power |
|---|---|---|---|---|---|---|
| WC67Y-40/2500 | 400KN | 2500mm | 100mm | 11 mm/s | 2600kg | 3Kw |
| WC67Y-63/2500 | 630KN | 2500mm | 100mm | 10mm/s | 4500kg | 5.5Kw |
| WC67Y-63/3200 | 630KN | 3200mm | 100mm | 10mm/s | 5500kg | 5.5Kw |
| WC67Y-80/3200 | 800KN | 3200mm | 100mm | 8mm/s | 6500kg | 7.5Kw |
| WC67Y-100/3200 | 1000KN | 3200mm | 120mm | 8mm/s | 8200kg | 7.5Kw |
| WC67Y-125/3200 | 1250KN | 3200mm | 120mm | 8mm/s | 8700kg | 7.5Kw |
| WC67Y-160/3200 | 1600KN | 3200mm | 200mm | 8mm/s | 10500kg | 11Kw |
| WC67Y-200/3200 | 2000KN | 3200mm | 200mm | 7mm/s | 14500kg | 15Kw |

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QC12Y



HYDRAULIC SHEAR MACHINE

| MODEL | Thickness ( mm ) | Width ( mm ) | Angle | Backguage ( mm ) | Stroke ( mm ) | Motor Power |
|---|---|---|---|---|---|---|
| QC12Y-4x2500 | 4 | 2500 | 1° 30' | 600 | 20 | 4Kw |
| QC12Y-4x3200 | 4 | 3200 | 1° 30' | 600 | 18 | 5.5Kw |
| QC12Y-6x2500 | 6 | 2500 | 1° 30' | 20-600 | 18 | 7.5Kw |
| QC12Y-6x3200 | 6 | 3200 | 1° 30' | 20-600 | 14 | 7.5Kw |
| QC12Y-8x2500 | 8 | 2500 | 1° 30' | 20-600 | 12 | 11Kw |
| QC12Y-8x3200 | 8 | 3200 | 1° 30' | 20-600 | 10 | 11Kw |
| QC12Y-10x2500 | 10 | 2500 | 1° 48' | 20-600 | 10 | 15Kw |
| QC12Y-10x3200 | 10 | 3200 | 1° 48' | 20-600 | 10 | 15Kw |
| QC12Y-12x2500 | 12 | 2500 | 1° 30' | 10-800 | 8 | 18.5KW |
| QC12Y-12x3200 | 12 | 3200 | 1° 30' | 10-800 | 10 | 18.5KW |

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## QA32-8A QA32-8B

### FEATURES AND USES

- The shearing machines of QA32-8A, Q32-8B which shear sheet metal are the newly designed products of our factory and they are serise products of machinery industry. They are new in design, compact in structure, artistic in modelling, reliable in performance, small in size, light in weight, multifunctional, and quick in operation, convenient in use and they are widely used in shearing sheet metal, shaped metal adn punching shaped metal, holes and indie shearing. It'sreally the skillful equipment in shearing and punching shaped metal for the vast number of the customers in the industries of machine-making, construction, water and power and handicraft.






QA32-8B



QA32-12

### Specification

| Model | | QA32-8A (manual) | QA32-8B(foot brake) | QA32-12 (hydraulic) |
|---|---|---|---|---|
| Max. Punching | | 360KN | 360KN | 900KN |
| Force | | 200mm | 200mm | |
| Cutter length | | 27mm | 27mm | 36mm |
| Cutter stroke length | | 360KN | 30 | 30 |
| Motor | Power | 2.2KW | 2.2KW | 4KW 4P |
| | Voltage | 415V/380V/220V/240V | 415V/380V/220V/240V | 415V/380V/220V/240V |
| | Frequency | 50/60Hz | 50/60Hz | 50/60Hz |
| Overall size (L*W*H) | | 900*500*1100mm | 900*500*1100mm | 1100*600*1450mm |
| Net Weight | | 500 KG | 500 KG | 1000KG |



CE TÜV ISO9001:2000



White Eagle®

## B5032/5020

Mechanical slotting Machine

| MODEL | Unit | B5032 | B5020 |
|---|---|---|---|
| Ram stroke | mm | 340 | 220 |
| Maximum length of the ram slotting | mm | 320 | 200 |
| Ram movement times | times min | 20.32.50.80 | 32.50.80.125 |
| Tilt ram | ° | 0-8 | 0-8 |
| Table diameter mm | mm | 630 | 500 |
| Vertical adjustment of ram distance | mm | 315 | 230 |
| Head bearing surface to the bed from the front walls | mm | 600 | 485 |
| Between the work surface to the lower carriage distance | mm | 490 | 320 |
| Table maximum longitudinal movement distance | mm | 630 | 500 |
| Table maximum lateral movement distance | mm | 560 | 500 |
| Maximum swivel table | ° | 360 | 360 |
| Table aspect motorized feed range | mm | 0.08-1.21 | 0.08-1.21 |
| Table rotation feed range | mm | 0.052-0.783 | 0.052-0.783 |
| Motor Power | kw | 4 | 3 |
| Motor speed (calculated value) | r/min | 960 | 1430 |
| Machine weight (about) | kg | 3000 | 2200 |
| Overall dimensions (L × W × H) | mm | 2261×1495×2245 | 1916×1305×1995 |



## BK5032 nc slotting Machine

| MODEL | BK5032 |
|---|---|
| Control system | HND1000M / GSK980 / SIMENS 808D |
| Max.Cutting Length(mm) | 320 |
| The max.longitudinal movement distance of worktable X axis(mm) | 560 |
| The max.horizontal movement distance of worktable Y axis(mm) | 540 |
| Max. rotation angle of worktable(mm) | 360° |
| Max. cutting force (KN) | 8 |
| Distance between cutter support surface and front wall of bed(mm) | 600 |
| Diameter of worktable(mm) | Φ630 |
| Tilt angle of the ram(°) | 0-8 |
| Vertical adjustment distance of the ram (mm) | 370 |
| Distance between worktable and the bottom of carriage(mm) | 470 |
| Max.loading of worktable(Kg) | 500 |
| Width of T-slot on worktable center(mm) | 18HB |
| Main motor power(KW) | 3 |
| Speed range of main motor(r/min) | 960 |
| Gross weight(Kg) | 270 |
| Dimension( LxWxH)(mm) | 2000x1500x2400 |



CE TÜV ISO9001:2000

## BC6050

| MODEL | | BC6050 |
|---|---|---|
| Maximum planing length | | 500mm |
| Max.range of the borizontal movement of the table | | 370mm |
| Max.distance between the ram bottom and table | | 525mm |
| Max.length of the vertical movement of table | | 270mm |
| Dimensions of table top(L × W) | | 500 × 360mm |
| Max. stroke length of the toolhead | | 120mm |
| Number of ram reciprocation per minute | | 14-80 times min |
| Max.swivel angle of the toolhead | | ±60° |
| Number of ram reciprocation per minute | | 20 × 30mm |
| Range of table feed | Power | 0.2-2.5 |
| | Overall | 0.08-1.0 |
| Width of the T-slot for center positioning | | 18mm |
| Power of the main motor | | 3kw |
| Overall dimensions(L × W × H) | | 2000 × 1250 × 1400mm |
| N.W/G.W | | 1650/1760kg |





## B635A SHAPER

| MODEL | | B635A |
|---|---|---|
| Maximum planing length | | 350mm |
| Ram underside to table the maximum distance | | 330mm |
| Worktable maximum moving distance (horizontal) | | 400mm |
| Worktable maximum moving distance (vertical) | | 270mm |
| Leading surface of the planer to bed out of the maximum distance | | 550mm |
| The maximum displacement of the ram | | 170mm |
| Maximum turning angle of the worktable (no vice) | | ±90° |
| Maximum turning angle of worktable (Vise) | | ±55° |
| The turret maximum vertical travel | | 110mm |
| Ram reciprocating frequency per minute | | 32、50、80、125 times min |
| The ram back and forth a tablefeed amount | Wheeled round a tooth (vertical) | 0.18mm |
| | Wheeled round a tooth (horizontal) | 0.21mm |
| | Wheel rotation 4 tooth (vertical) | 0.73mm |
| | Wheel rota | 0.84mm |
| Electric motor | | 1.5kw 1400r/min |
| Carton size | | 1530 × 930 × 1370mm |
| N.W/G.W | | 1000kg/1200kg |





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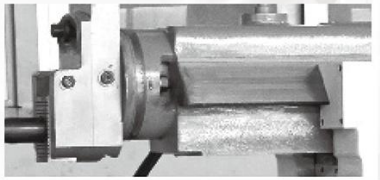
## BC6063/6066



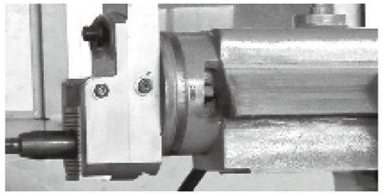


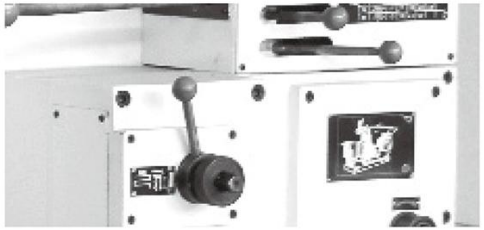


### Specification

| MODEL | Uint | BC6063 / BC6066 |
|---|---|---|
| Maximum planing length | mm | 630/660 |
| Max.range of the borizontal movement of the table | mm | 385 |
| Max.distance between the ram bottom and table | mm | 630 |
| Max.length of the vertical movement of table | mm | 360 |
| Dimensions of table top(L × W) | mm | 630 × 400/660 × 400 |
| Travel of tool head | mm | 120 |
| Number of ram strokes per minute | times min | 14、20、28、40、56、80 |
| Swivel of tool head | ° | ±60° |
| Number of ram reciprocation per minute | mm | 20 × 30 |
| Horizontal | mm | 0.2-2.5 |
| Vertical | mm | 0.08-1.00 |
| Width of the T-slot for center positioning | mm | 18 |
| Power of the main motor | kw | 3 |
| Overall dimensions(L × W × H) | mm | 2000 × 1300 × 1550 2357 × 1225 × 1480 |
| N.W/G.W | kg | 1750/1870 1800/1920 |

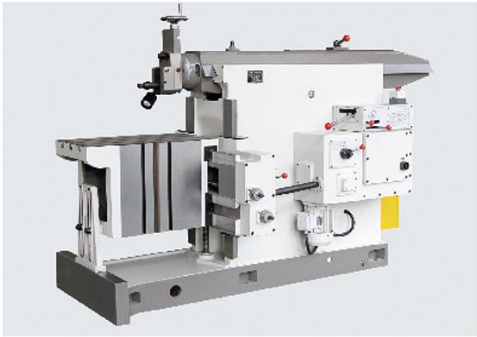
Description and specification given in this catalogue are subject to modification without notice.



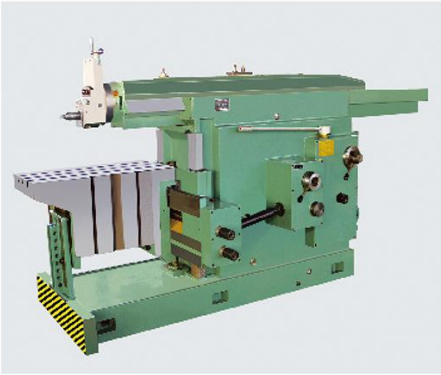


## BC6085 SHAPER

| MODEL | | BC6085 |
|---|---|---|
| Maximum planing length(mm) | | 850 |
| Max.range of the borizontal movement of the table(mm) | | 400 |
| Max.distance between the ram bottom and table(mm) | | 710 |
| Max.length of the vertical movement of table(mm) | | 360 |
| Dimensions of table top(L × W)(mm) | | 800 × 450 |
| Travel of tool head(mm) | | 160 |
| Number of ram strokes per minute( times min) | | 17、24、35、50、70、100 |
| Swivel of tool head(° ) | | ±60° |
| Number of ram reciprocation per minute() | | – |
| Range of table feed(mm) | Horizontal | 0.25~3 |
| | Vertical | 0.12~1.5 |
| Width of the T-slot for center positioning(mm) | | 22 |
| Power of the main motor(kw) | | 5.5 |
| Overall dimensions(L × W × H)(mm) | | 2950 × 1325 × 1693 |
| N.W/G.W(kg) | | 2940/3090 |



## BC60100 SHAPER



Specification

| MODEL | | BC60100 |
|---|---|---|
| Maximum cutting length | | 1000mm |
| Maximum table horizontal travel | | 800mm |
| Maximum distance from ram bottom to table surface | | 400mm |
| Maximum table vertical travel | | 380mm |
| Dimensions of table top surface(L × W) | | 1000 × 500mm |
| Travel of tool head | | 160mm |
| Swivel of tool head | | ±60° |
| Maximum size of tool shank(W × T) | | 30 × 45mm |
| Number of ram strokes per minute | | 15、20、29、42、58、83times min |
| Range of table feed | Horizontal | 0.3~3mm |
| | Vertical | 0.15~0.5mm |
| Rapid feed of table | Horizontal | 3mm |
| | Vertical | 0.5mm |
| Width of central T-slot of table | | 22mm |
| Power of motor | | 7.50kw |
| Overall dimensions(L × W × H) | | 3640 × 1575 × 1780mm |
| | | 4870/5150kg |





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## BK6063 NC TAUPLANER

### STANDARD ACCS.

- KND 1000M numerical control system

### OPTIONAL ACCS.

- Siemens 828D wide number
- of 990M CNC system
- FK15125 CNC dividing head
- FK13200 NC rotary table
- Can be tailored according to
- customer requirements







Specification

| MODEL | Uint | BK6063 |
|---|---|---|
| Maximum planing length | mm | 630 |
| Max.range of the borizontal movement of the table | mm | 385mm |
| Max.distance between the ram bottom and table | mm | 630mm |
| Max.length of the vertical movement of table | mm | 360mm |
| Dimensions of table top(L × W) | mm | 630 × 400 |
| Travel of tool head | times min | 120 |
| Swivel of tool head | ° | ±60° |
| Number of ram reciprocation per minute | mm | 20 × 30mm |
| Turret motor torque | mm | 4Nm |
| Motor torque | mm | 6Nm |
| Width of the T-slot for center positioning | mm | 18mm |
| Power of the main motor | kw | 3kw |
| Overall dimensions(L × W × H) | mm | 2000 × 1300 × 1550 |
| N.W/G.W | kg | 1750/1870kg |

Description and specification given in this catalogue are subject to modification without notice.

# X5032B Vertical Knee–type Milling Machine





## MAIN CHARACTERISTICS & APPLICATION

- X5032B vertical knee–type milling machine is a general purpose machine which can be used in wide range. Mounted with face, cylindrical, side, bevel and formed milling cutters, the machine is suitable to process flat, inclined surface, slots and gears on miscellaneous work pieces. Equipped with optional accessories, such as rotary table and dividing head, machine can be applicable to versatile processing. It is an ideal machine tool for machining process, maintenance, instrument, die and moulds.
- Vertical milling head can rotate ±45° . Spindle quill can move vertically. Worktable is applied to automatic and rapid feed.
- Hardened and ground slide ways ensure high accuracy.
- With high motor power and wide range speed, machine adapts to high speed cutting when using hard alloy cutters.
- With enough rigidity, machine can bear heavy duty processing.
- Complete coolant and lubrication system.
- DRO equipment is optional.

## Specification

| MODEL | Uint | X5032B |
|---|---|---|
| Worktable size | mm | 320x1320 |
| T slots (N x Wx D) | mm | 3 x 18 x 80 |
| Max.load bearing of worktable | kg | 550 |
| Longitudinal travel (Manual/Power) X | mm | 800/780 |
| Cross travel (Manual/Power) Y | mm | 300/280 |
| Vertical travel (Manual/Power) Z | mm | 410/400 |
| Feed speed steps | | 18 Steps |
| Feed speed range: Longitudinal X | mm/min | 15–750 |
| Cross Y | mm/min | 15–750 |
| Vertical Z | mm/min | 5.7–280 |
| Rapid feed range: Longitudinal X | mm/min | 2250 |
| Cross Y | mm/min | 2250 |
| Vertical Z | mm/min | 844 |
| Max. rotary angle of vertical milling head | | ±45° |
| Spindle quill travel | mm | 75 |
| Distance from spindle center to vertical guide way | mm | 380 |
| Distance from spindle nose to worktable surface | mm | 50–460 |
| Distance from table center to vertical guide way | mm | 235–535 |
| Spindle hole taper | | 7:24 N0:50 |
| Arbor diameter | mm | 4\|32 4>40 |
| Spindle speed steps | | 18 Steps |
| Spindle speed range | r/min | 30–1500 |
| Main motor power | kw | 7.5 |
| Feed motor power | kw | 1.5 |
| Machine dimension | mm | 2307x1707x2096 |
| Package dimension | mm | 2220x1900x2320 |
| Machine weight | kg | 3 00 |
| Voltage/Frequency | v/hz | 380/50 |

Description and specification given in this catalogue are subiect to modification without notice.





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# X6132B Universal Knee–type Milling Machine





## STANDARD ACCS.

- 3pcs Cutter Bar
- 1 End miller shank



## OPTIONAL ACCS.

- Vertical Milling head

## MAIN CHARACTERISTICS & APPLICATION

- X6132B universal knee–type milling machine is a general purpose machine which can be used in wide range. Mounted with face, cylindrical, side, bevel and formed milling cutters, the machine is suitable to process flat, inclined surface, slots and gears on miscellaneous work pieces. Equipped with optional accessories, such as vertical milling head and dividing head, machine can be applicable to versatile processing. It is an ideal machine tool for machining process, maintenance, instrument, die and moulds.
- The worktable can rotate ±45° and apply to automatic and rapid feed.
- Hardened and ground slide ways ensure high accuracy.
- With high motor power and wide range speed, machine adapts to high speed cutting when using hard alloy cutters.
- With enough rigidity, machine can bear heavy duty processing.
- Complete coolant and lubrication system.
- DRO equipment is optional.

## Specification

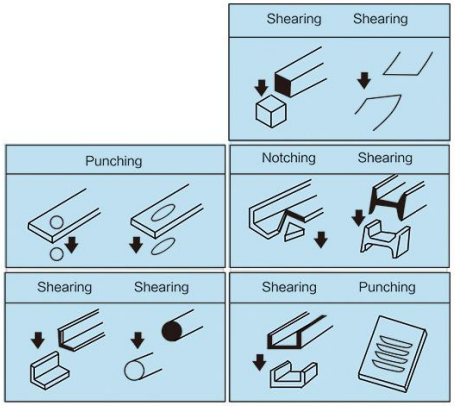
| MODEL | Uint | X6132B |
|---|---|---|
| Worktable size | mm | 320x1320 |
| T slots (N x W x D) | mm | 3 x 18 x 80 |
| Max. load bearing of worktable | kg | 550 |
| Longitudinal travel (Manual/Power) X | mm | 800/780 |
| Cross travel (Manual/Power) Y | mm | 300/280 |
| Vertical travel( Manual/Power) Z | mm | 410/400 |
| Max. rotary angle of table | | ±45° |
| Feed speed steps | | 18 Steps |
| Feed speed range: Longitudinal X | mm/min | 15–750 |
| Cross Y | mm/min | 15–750 |
| Vertical Z | mm/min | 5.7–280 |
| Rapid feed range: Longitudinal X | mm/min | 2250 |
| Cross Y | mm/min | 2250 |
| Vertical Z | mm/min | 844 |
| Distance from spindle center to arm | mm | 155 |
| Distance from table center to vertical guide way | mm | 235–535 |
| Arbor diameter | mm | 4>22 ip 27 (p32 |
| Distance from spindle center to worktable surface | mm | 30–440 |
| Spindle hole taper | | 7：24 N0:50 |
| Spindle speed steps | | 18 Steps |
| Spindle speed range | r/min | 30–1500 |
| Main motor power | kw | 7.5 |
| Feed motor power | kw | 1.5 |
| Machine dimension | mm | 2327x1792x1720 |
| Package dimension | mm | 2220x1900x2040 |
| Machine weight | kg | 3200 |
| Voltage/Frequency | v/hz | 380/50 |

Description and specification given in this catalogue are subiect to modification without notice.

# Series Q35Y

## FEATURES

- They adopt hydraulic driving system and they are the latest iron workers in our country,Various metal plate,squarebar,Round bar, angle, channel and joist can be cut, punched and notched on the machine.It is also equipped with a stop device for cutting.






Q35Y-25 Q35Y-30



Q35Y-16

Technical Data:

| MODEL | Q35Y-16 | Q35Y-20 | Q35Y-25 | Q35Y-30 |
|---|---|---|---|---|
| Pressure | 65T | 90T | 120T | 160T |
| Max cutting thickness(mm) | 16 | 20 | 25 | 30 |
| Plate strength(N/mm2) | ≤450 | ≤450 | ≤450 | ≤450 |
| Cutting angle | 7° | 8° | 8° | 8° |
| Shearing size of one stroke | 16×250 | 20×330 | 25×330 | 30×355 |
| Ram stroke(mm) | 8×400 | 10×480 | 16×660 | 20×600 |
| Number of stroke(cpm) | 80 | 80 | 80 | 80 |
| Throat depth(mm) | 8 | 8 | 6 | 6 |
| Punching thickness(mm) | 300 | 355 | 400 | 600 |
| Max punching diameter(mm) | 16 | 20 | 25 | 26 |
| Power of main motor(kw) | 25 | 30 | 35 | 38 |
| Overall dimensions | 5.5 | 7.5 | 7.5 | 11 |
| L×W×H(mm) | 1640×730×1770 | 1980×800×1900 | 2355×950×2050 | 2680×1040×2300 |
| Weight of machine(kg) | 1600 | 2000 | 4000 | 6800 |

Remark: Joist and Channel blades need to order specially

| Model | Round Bar | Square Bar | Equal | | Angle T Bar | | Joist | Channel |
|---|---|---|---|---|---|---|---|---|
| | | | 90° Shearing | 45° Shearing | 90° Shearing | 45° Shearing | | |
| Section view | ● | ▨ | L | | ⊥ | | I | C |
| Q35Y-16 | 45 | 40*40 | 125*125*12 | 50*50*5 | 125*125*12 | 60*60*8 | 126*74*5 | 126*53*5.5 |
| Q35Y-20 | 50 | 50*50 | 140*140*12 | 50*50*5 | 140*140*12 | 70*70*10 | 160*86*6 | 160*60*6.5 |
| Q35Y-25 | 60 | 50*50 | 160*160*14 | 60*60*6 | 160*160*14 | 80*80*10 | 200*102*9 | 210*75*9 |
| Q35Y-30 | 65 | 55*55 | 180*180*16 | 60*60*6 | 180*180*16 | 80*80*10 | 280*124*10.5 | 280*86*11.5 |

Description and specification given in this catalogue are subject to modification without notice.





White Eagle®



- positioning of back stopper backgauge supplied as require equipment.Fine adjustment allows for precision cuts.Fully protected harness for safety and reliability.Large contact button for maximum productivity.



- Punching Station
  Large viewing window on stripper
  Swing away design for ease of operation 。Largetwo piece gauging table with rulers and stop as standard equipment。
  Quick change coupling nut and sleeve for rapidreplacement or change



- Notching Station:Unique design allows for unsurpassed cutting of angle and flat bar.Electrically interlocked safety guad for maximum operator safety.Ventilated guard for maximum operator visibility.Three guaging stops for precise positioning.



- The angle iron shear has the ability to cut angleiron at 45 degrees both top and bottom leg.This gives the operator the ability to make a picture frame corner for perfect weild.



- Flat Bar Shearing Station
  Easily adjustable hold down with good operatorvisibility for accurate cutting.Large 15" squaring arm with inlaid scale as standard equipment.



- Specially contoured anti-distortion blade forquality cuts.Lower blade has four usable edges.Allen head set screws allow for easy gapping of the machine.No shimming is required.



- Punching Station
  Full range of universal punches and dies are available。Unique style allows for large angle iron punching and large channel punching



- Diamond shaped blade for quality cuts and nomaterial loss with minimal deformity.Forty five degree miter cut both top and bottom leg for a picture frame comer.



- Round and Square bar shear has multiple holes for a variety of sizes.Adjustable holdown for clean square cutting.Optional Channel and beam shears available.



- Large heavy duty knobs
  Precise square bar cutting



- Large strong guarding for maximum safety



- Mitering with large standard squaring arm

# CYLINDER BLOCK SURFACE GRINDING MACHINE

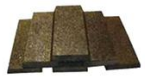
## 3M9735B




Cooling box


Balancing frame


Special cutter


Emery tile


Balancing axis


Trimmer of emery tile

### FEATURES

The machine is mainly used for grinding and milling the connecting surface between cylinder body and cylinder cover of every engine (of automobiles, tractors, tanks and ships). Because of the engine be used for long, the connecting surface of cylinder body and cylinder cover would transmute and the engine will working off normal. Working accuracy can be achieved that the connecting surface of cylinder body and cylinder cover be ground or milled. The machine can also grinding the surface of other parts if the electromagnetic chuck be equipped.

- The machine adopt (1400/700r/min) two-speed motor 1400r/min be used to grind the surface of cylinder body or cylinder cover, which be made by cast-iron material. And 700r/min be used to milled the surface which be made by aluminum material.
- Spindle use high precision bearing with high machining precision.
- Machine run smoothly and with small resistance.
- Working table movement use frequency conversion step-less variable speed, suitable for machine different material parts.

### Specification

| Model | 3M9735Bx130 | 3M9735Bx150 |
|---|---|---|
| Working table size | 1300x500mm | 1000x500mm |
| Max. length of grinding | 1300mm | 1500mm |
| Max. width of grinding | 350mm | 350mm |
| Max height of grinding | 800mm | 800mm |
| Vertical moving distance of grinding head | 60mm | 120mm |
| Transverse moving speed of working table | 40-900mm/min | 0-300mm/min |
| Grinding wheel disk diameter | 360mm | 360mm |
| Spindle motor speed | 1400/700r/min | 1400/700r/min |
| Electric cooling motor power | 0.04kw | 0.04kw |
| Power of the main motor | 1.5/2.4kw | 1.5/2.4kw |
| Packing dimensions(LxWxH) | 2700*1150*2200 | 2900*1150*2200 |
| N.W. / G.W. | 2400/2600kg | 2600/2800kg |

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# CYLINDER BORING MACHINE

### FEATURES

- The machine is mainly used for boring the cylinder hole of internal combustion engine & inner hole of cylinder sleeve of cars or tractors, and also for other machine element hole.
  T8018A: mechanical-electronic drive and spindle speed frequence changed speed variation.
  T8018B: mechanical drive
  T8018C: used for processing special heavy motor cylinders.

## T8018B



### Specification

| Model | T8018A / T8018B | T8018C |
|---|---|---|
| Processing Diameter | Φ30mm ~ Φ180mm | Φ42mm ~ Φ180mm |
| Max. Boring Depth | 450mm | 650mm |
| The Rotational Speed of Spindle | 140-610 | 175;230;300;350;460;600 |
| Spindle Feed | 0.05, 0.10, 0.20 | 0.05, 0.10, 0.20 |
| Maching Power | 3.75kw | Main Motor:YD100L2-4/2,1400/2800rpm,2.4/3kw; Motor for Quick-Moving:Y802-4,1400rpm,0.75kw |
| Overall dimensions (L*W*H) | 2000 × 1235 × 1920mm | 2680 × 1500 × 2325mm |
| Packing dimensions (L*W*H) | 1400 × 1400 × 2250mm | 1578 × 1910 × 2575mm |
| N.W/G.W | 2000/2200Kg | 3500/3700Kg |

Description and specification given in this catalogue are subject to modification without notice.

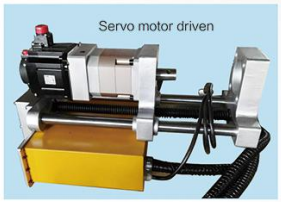


CE TUV ISO9001:2000

# PORTABLE BORING MACHINE

White Eagle ®


XDT60 Hydraulic type

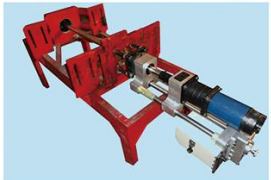









## XDT60





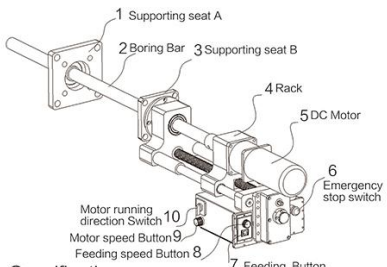


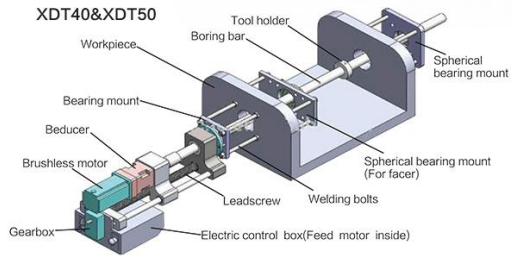


## XDT40

### FEATURES

Modular components make setup quick and easy;Flexible and high quality design, aluminum alloy frame make the machine portable;
Optional facer tool make the machine more versatile;Spherical bearing mounts system allows quick setup;
Gear box allow manual and automatic feed;Drive power provide by a brushless DC motor, powerful and stable ;
Could use on repairing the inner wall of the pipes, crane rotary holes, stern shaftholes and rudder holes and so on.




### Specification

| MODEL | Unit | XDT40 | XDT60 | XDT90 | XDT110 | XDT150 | XDT180 | XDT200 |
|---|---|---|---|---|---|---|---|---|
| Diameter of boring | mm | Φ40 | Φ60 | Φ90 | Φ110 | Φ150 | Φ180 | Φ200 |
| Length of boring | mm | 1000-2000 | 2000-3000 | 3000-5000 | 3000-6000 | 4000-7000 | 4000-7000 | 5000-8000 |
| Main motor | KW | DC:1.5 | Servo Motor:3 | Servo Motor:3 | 4.5 | 7 | 7 | 7 |
| Main motor output speed | R.P.M | 83 | 50 | 50 | 50 | 50 | 50 | 40 |
| Motor speed | / | Variable speed | Variable speed | Variable speed | Variable speed | Variable speed | Variable speed | Variable speed |
| Range of boring | mm | Φ45-Φ200 | Φ65-Φ500 | Φ200-Φ800 | Φ150-Φ1000 | Φ220-Φ1500 | Φ260-Φ2000 | Φ280-Φ2500 |
| Feeding travel | mm | 380 | 500 | 500 | 500 | 1000 | 1000 | 1000 |
| Max.feeding of single side | mm | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Roundness | mm | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| Roughness | μm | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| Way if Installing | / | by welding | by welding | by welding | by welding | by welding | by welding | by welding |

Description and specification given in this catalogue are subject to modification without notice.



CE TUV ISO9001:2000



Leader clamp



QK-D Tilting vice



QH Machine vice



QW Universal machine vice



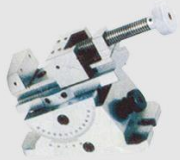
Universal dividing head BS2



Boring tools



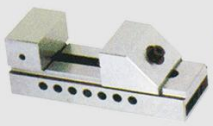
Semi-universal dividing head BS-0& BS-1



Precision universal vise



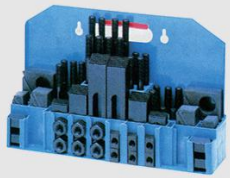
ZXQG Precision sine vise



QKG High precision vise



QGG High precision vise



52-pcs clamping kit



Horizontal and vertical rotary table



Power feed attachment



DRO



Milling chuck arbor



Cabinet stand



Milling chuck (8pcs )



Titanium coated end Mill



HSS end Mill



Milling cutter MT3,MT4,R8



Working lamp



Depth gauge



Coolant assembly



Collet



Drill chuck



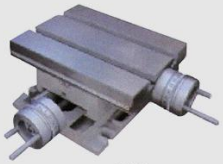
Live center MT2,MT3,MT4



Arbors



201&203



202



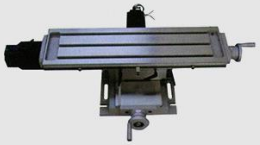
204&205

AKP FIXED CROSS TABLE



204/205/208

AKP-2 PRECISION TABLE



206-B

206-B CNC TABLE



206-Z

206-Z POWER FEED TABLE



302



303



304&305

SWIVEL TABLE



BF18



BF20

BF-18 BF-20 TABLE



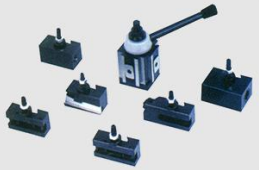
TC-18

TC-18 CROSS TABLE

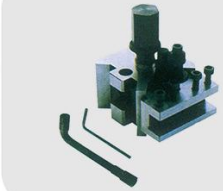




White Eagle®



American type quick change toolpost



Italy type quick change toolpost



Germany type quick change toolpost



Steady rest and follow rest



Vertical slide F3



K11 3-jaw chuck K11 K72 4-jaw chuck



Camlock back plate



Face plate



Plain back plate



Self finished plate



HSS Cutter



Carbide tipped lathe tool



Indexable turning tool(9PCS)