

FAITHWORTHY MACHINE SUPPLIER  
SIECC/HECTMAC, CHINA

**SIECC MACHINE**



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南通星空机械有限公司/上海兴安实业发展有限公司



SIECC(Shining) is a leading company in high quality plate solution machines and has been for more than 20 years. We have developed a strong brand & reputation which has aided us to secure the largest market share in the China domestic market and also successfully enter and grow our international markets.



Our Product range is extensive, encompassing a wide variety of applications from heavy duty equipment to machine tools, which currently distributed globally to over 60 countries including EU, USA, Middle East, South and Middle Asia.

SIECC has a company owned 5000 Square Meter Manufacturing facility and 4000 Square meter exhibition showroom in Jiangsu Province that displays all our Press Brake, Shearing Machines, Rolling, Milling, Grinding, Drilling and so on machine tools. Working together with our sister brands HECTMAC, P&K and SIECCTECH, universities and other research facilities we are able to ensure our company is the market leader when it comes to automated machinery systems. All machines are designed to meet high-technology solution demands. As Automated machinery and their applications are widely used and sort after, we believe our machines are machines for the future and have concentrated on developing our products to the highest standard. The working standard is strictly controlled and certificated by the China Quality Department and all other affiliated international associations and have both CE and ISO accreditations. Our production capacity is one of largest in all of China Machinery Field, which allow us to hold enough stock at different phases of production to ensure any lead time required by our customers is met.



All Companies in the SIECC Group not only produce the best products but take pride in after-sales service. We have worked tirelessly to established tailored logistics solutions for our machines via sea, Road and, Rail transportation using the fastest and most economical means possible. SIECC owns an international logistics company in Shanghai which assists us to provide customized transport strategies for any large or out of gauge machinery to ensure the cost-effective and competitive price. We can also disassembled our machines if needed to save on freight and handling costs and offer reassembly at destination. As the market leader in the manufacture of plate solution machines in China, we frequently participate in overseas trade shows and exhibitions to showcase our machines exceptional quality to the world.

We welcome any overseas or domestic agents to work with us and look forward to establishing further international networks for longterm working relationships. As the world becomes small, we become close.



|       |                                   |
|-------|-----------------------------------|
| 01    | OUR COMPANY                       |
| 02    | MAGNETIC BENDING MACHINE          |
| 03-05 | FOLDING MACHINE                   |
| 06-07 | PAN AND BOX BRAKE                 |
| 08    | GUILLOTINE SHEAR                  |
| 09    | SHEARING MACHINE                  |
| 10    | SHEARING MACHINE                  |
| 11    | HAND SHEAR                        |
| 12    | 3 IN 1 SHEAR, BRAKE, ROLL MACHINE |
| 13    | HAND ROLL MACHINE                 |
| 14    | ELECTRIC ROLLING MACHINE          |
| 15    | HYDRAULIC PRESS                   |
| 16-17 | PROFILE BENDING MACHINE           |
| 18    | BANDSAW                           |
| 19    | BORING MACHINE                    |
| 20    | SLOTING MACHINE                   |
| 21    | SHAPING MACHINE                   |
| 22-29 | MECHANICAL SHEARING MACHINE       |
| 30-32 | GRINDING MACHINE                  |
| 33-37 | LATHE                             |

## Magnetic Bending Machine



EB1250



EB1250-Standard  
Clamping Bars



EB2500



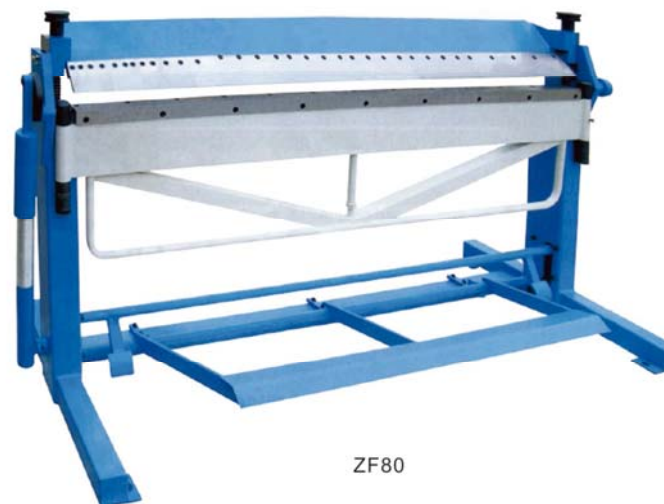
EB2500-Standard  
Clamping Bars

| Model                                | EB625                | EB1000                | EB1250                | EB2000                | EB2500                | EB3200                 |
|--------------------------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| Max.Capacity<br>(length x thickness) | 625x1.6mm<br>2'x16ga | 1000x1.6mm<br>3'x16ga | 1250x1.6mm<br>4'x16ga | 2000x1.6mm<br>6'x16ga | 2500x1.6mm<br>8'x16ga | 3200x1.2mm<br>10'x18ga |
| Clamping force                       | 3Ton                 | 4.5Ton                | 6Ton                  | 9Ton                  | 12Ton                 | 10Ton                  |
| Duty cycle                           | 30%                  | 30%                   | 30%                   | 30%                   | 30%                   | 30%                    |
| Back gauge                           | 390mm                | 640mm                 | 640mm                 | 640mm                 | 640mm                 | 640mm                  |
| Foot switch                          | NO                   |                       | standard              |                       |                       |                        |
| Nominal current                      | 4Amp                 | 6Amp                  | 6Amp                  | 12Amp                 | 15Amp                 | 15Amp                  |
| Protection                           | Thermal cut-out 70°C |                       |                       |                       |                       |                        |
| Bending-edge length                  | 670mm                | 1050mm                | 1300mm                | 2090mm                | 2590mm                | 3290mm                 |
| Distance between lifters             | 630mm                | 1010mm                | 1260mm                | 2028mm                | 2528mm                | 3228mm                 |
| Packing size                         | 83x112x38cm          | 120x112x38cm          | 145x112x38cm          | 220x112x38cm          | 270x112x38cm          | 340x112x38cm           |
| N.W./G.W.(kg)                        | 102/127kg            | 142/177kg             | 175/220kg             | 290/360kg             | 330/420kg             | 400/510kg              |

## Folding Machine



ZF40



ZF80

| Model                     | ZF40       | ZF50       | ZF60       | ZF80       | ZF100      |
|---------------------------|------------|------------|------------|------------|------------|
| Max.working length(mm)    | 1020       | 1070       | 1520       | 2020       | 2520       |
| Max.sheet thickness(mm)   | 2.5        | 2.0        | 1.5        | 1.2        | 1.0        |
| Max.clamping bar lift(mm) | 47         | 47         | 47         | 47         | 47         |
| Folding angle             | 0-135°     | 0-135°     | 0-135°     | 0-135°     | 0-135°     |
| Packing size(cm)          | 142x56x128 | 165x62x128 | 196x71x130 | 247x94x132 | 297x94x132 |
| N.W./G.W.(kg)             | 285/320    | 320/360    | 385/456    | 490/640    | 590/770    |



ZF40A

ZF40

| Model                     | ZF40/2A    | ZF50/2A    | ZF60/1.5A  | ZF40/3A    | ZF50/3A    |
|---------------------------|------------|------------|------------|------------|------------|
| Max.working length(mm)    | 1020       | 1270       | 1520       | 1020       | 1270       |
| Max.sheet thickness(mm)   | 2.0        | 2.0        | 1.5        | 2.0        | 1.5        |
| Max.clamping bar lift(mm) | 47         | 47         | 47         | 45         | 45         |
| Folding angle             | 0-135°     | 0-135°     | 0-135°     | 0-150°     | 0-150°     |
| Packing size(cm)          | 142x56x128 | 165x62x128 | 196x71x130 | 142x56x139 | 167x62x139 |
| N.W./G.W.(kg)             | 320/350    | 350/385    | 395/466    | 430/470    | 465/510    |

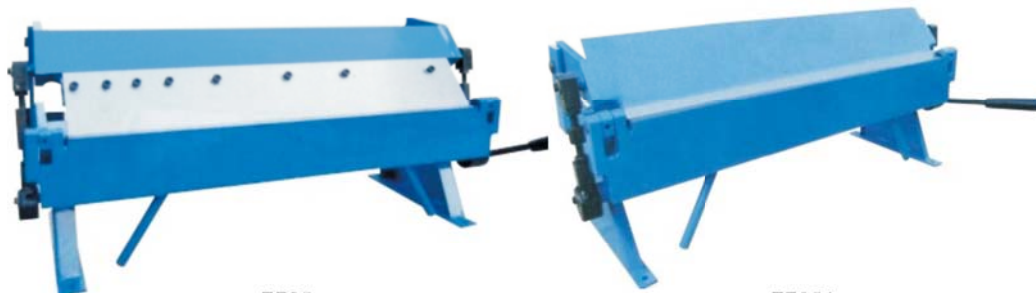


ZF50-1A

ZF50-1.0

ZF100-1A

| Model    | Capacity(mm) |           |        | Packing size(cm) | N.W./G.W.(kg) |
|----------|--------------|-----------|--------|------------------|---------------|
|          | Width        | Thickness | Angle  |                  |               |
| ZF40/1A  | 1020         | 1.0       | 0-135° | 135x53x62        | 105/140       |
| ZF50/1A  | 1250         | 1.0       | 0-135° | 162x69x45        | 115/135       |
| ZF48/1A  | 915          | 1.0       | 0-135° | 130x24x50        | 62/74         |
| ZF80/1A  | 2020         | 1.0       | 0-135° | 245x94x70        | 455/600       |
| ZF100/1A | 2500         | 1.0       | 0-135° | 307x94x62        | 550/730       |
| ZF120/1A | 3000         | 1.0       | 0-135° | 358x94x62        | 640/840       |



ZF25

ZF25A



ZF48B

ZF48-1.2

| Model     | Capacity(mm) |           |        | Packing size(cm) | N.W./G.W.(kg) |
|-----------|--------------|-----------|--------|------------------|---------------|
|           | Width        | Thickness | Angle  |                  |               |
| ZF12      | 305          | 1.0       | 0-135° | 50x30x37         | 19/21         |
| ZF25      | 610          | 1.0       | 0-135° | 81x30x35         | 28/31         |
| ZF36      | 915          | 1.0       | 0-130° | 116x41x59        | 65/78         |
| ZF48/1.2  | 1220         | 1.2       | 0-135° | 158x39x58        | 90/104        |
| ZF12A     | 305          | 1.0       | 0-135° | 50x35x41         | 28/30         |
| ZF25A     | 610          | 1.0       | 0-135° | 81x35x42         | 43/46         |
| ZF36A     | 915          | 1.0       | 0-130° | 117x35x43        | 70/80         |
| ZF48/1.5A | 1220         | 1.5       | 0-135° | 161x48x68        | 135/151       |
| ZF25B     | 610          | 1.0       | 0-135° | 86x35x44         | 54/63         |
| ZF36B     | 915          | 1.5       | 0-135° | 117x40x58        | 106/123       |
| ZF48B     | 1220         | 1.5       | 0-130° | 161x48x68        | 152/180       |



ZF80-2.5

| Model     | Capacity(mm) |             |        | Packing size(cm) | N.W./G.W.(kg) |
|-----------|--------------|-------------|--------|------------------|---------------|
|           | Width        | Thickness   | Angle  |                  |               |
| ZF48      | 1220mm(48")  | 2.5mm(12Ga) | 0-135° | 171x75x94        | 513/575       |
| ZF80A     | 2040mm(80")  | 2.0mm(14Ga) | 0-135° | 255x76x100       | 850/1000      |
| ZF80/2.5  | 2040mm(80")  | 2.5mm(12Ga) | 0-120° | 255x76x100       | 1145/1295     |
| ZF100A    | 2540mm(100") | 2.0mm(14Ga) | 0-135° | 300x76x100       | 1190/1360     |
| ZF100/2.5 | 2540mm(100") | 2.5mm(12Ga) | 0-135° | 300x76x100       | 1310/1480     |
| ZF120A    | 3050mm(120") | 2.0mm(14Ga) | 0-135° | 350x76x110       | 1490/1690     |



GS-1250



KHS-1250



TSC1010-1.6

| Model                      | GS-1000     | GS-1250     | GS-1000I   | KHS-1000    | KHS-1250    | TSC1010/1.6 |
|----------------------------|-------------|-------------|------------|-------------|-------------|-------------|
| Bed width(mm)              | 1000        | 1250        | 1000       | 1000        | 1250        | 1010        |
| Max.shearing thickness(mm) | 1.0         | 1.0         | 1.0        | 1.0         | 1.0         | 1.6         |
| Construction               | steel plate | steel plate | cast iron  | steel plate | steel plate | steel plate |
| Table height(mm)           | 800         | 800         | 760        | 750         | 750         | 760         |
| Packing size(cm)           | 148x93x67   | 173x93x67   | 165x105x50 | 165x110x63  | 194x110x68  | 151x59x107  |
| N.W./G.W.(kg)              | 238/295     | 288/305     | 385/445    | 460/510     | 560/670     | 345/44      |



Q01-1.5X1320



Q01-1.5X1320-Back Gauge



Q01-1.5X1320A



Q01-1.5X1500

| Model                      | Q01-1.0x1000 | Q01-1.5x1320 | Q01-2x1000 | Q01-2x1000A | Q01-1.5x1320A | Q01-1.5x1500 | Q01-1.25x2000 | Q01-1.5x1050 | Q01-0.8x2500 |
|----------------------------|--------------|--------------|------------|-------------|---------------|--------------|---------------|--------------|--------------|
| Width(mm)                  | 1000         | 1320         | 1000       | 1000        | 1320          | 1500         | 2000          | 1050         | 2500         |
| Max.shearing thickness(mm) | 1.0          | 1.5          | 2.0        | 2.0         | 1.5           | 1.5          | 1.25          | 1.5          | 0.8          |
| Control                    | Foot         |              |            | Foot        |               |              | Hand          |              |              |
| Back gauge range (mm)      | 0-700        | 0-700        | 0-700      | 0-800       | 0-800         | 0-300        | 0-300         | 0-300        | 0-300        |
| Packing size (cm)          | 140x76x115   | 168x76x115   | 140x76x115 | 140x76x115  | 168x76x115    | 208x76x120   | 258x76x120    | 158x76x120   | 308x76x120   |
| N.W./G.W.(kg)              | 365/410      | 491/545      | 405/450    | 355/400     | 430/500       | 445/515      | 511/600       | 378/438      | 595/745      |

## Shearing Machine



BQ01



BQF-1.0X1050



EBQ01-1.25X650

| Model                      | BQF01-1.25x650 | BQF01-1.0x1050 | EBQ01-1.25x650 | EBQ01-1.0x1050 | BQ01-1.25x650 | BQ01-1.0x1050 |
|----------------------------|----------------|----------------|----------------|----------------|---------------|---------------|
| Width(mm)                  | 650            | 1050           | 650            | 1050           | 650           | 1050          |
| Max.shearing thickness(mm) | 1.25           | 1.0            | 1.25           | 1.0            | 1.25          | 1.6           |
| Back gauge range (mm)      | 0-500          | 0-500          | 0-500          | 0-500          | 0-500         | 0-500         |
| Motor(kw)                  | /              | /              | 0.75           | 0.75           | /             | /             |
| Packing size (cm)          | 92x80x113      | 132x80x113     | 105x65x63      | 140x65x65      | 97x47x54      | 137x48x58     |
| N.W./G.W.(kg)              | 155/230        | 175/250        | 185/250        | 238/285        | 100/144       | 160/220       |

## Hand Shear



| Model                      | HS-500   | HS-800    | HS-1000   |
|----------------------------|----------|-----------|-----------|
| Bed width(mm)              | 500      | 800       | 1000      |
| Max.shearing thickness(mm) | 1.5      | 1.5       | 1.5       |
| Packing size(cm)           | 77x27x42 | 112x26x54 | 138x28x54 |
| N.W./G.W.(kg)              | 37/40    | 41/55     | 52/70     |



| Model            | HS-5        | HS-6      | HS-8      | HS-10     | HS-12     | HSG-8     |
|------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| Blade length     | 5"          | 6"        | 8"        | 10"       | 12"       | 8"        |
| Capacity(mm)     | Steel steel | 6         | 6         | 6         | 6         | 6         |
|                  | Flat steel  | 70x6      | 70x6      | 70x6      | 70x6      | 70x6      |
|                  | Round steel | 11        | 11        | 13        | 13        | 13        |
| Packing size(cm) | 33x16x33    | 33x16x33  | 50x16x45  | 74x15x44  | 74x15x44  | 50x16x45  |
| N.W./G.W.        | 9kg/10kg    | 11kg/13kg | 17kg/19kg | 21kg/23kg | 26kg/28kg | 19kg/20kg |

## 3 in 1 Shear, Brake, Roll Machine



3-in-1 305

3-in-1 1016



3-in-1 1067X1.5

| Model                      | 3-IN-1/200 | 3-IN-1/305 | 3-IN-1/610 | 3-IN-1/760 | 3-IN-1/1016 | 3-IN-1/1067 | 3-IN-1/1320 | 3-IN-1/1067x1.5 | 3-IN-1/1320x1.5 |
|----------------------------|------------|------------|------------|------------|-------------|-------------|-------------|-----------------|-----------------|
| Bed width(mm)              | 200        | 305        | 610        | 760        | 1016        | 1067        | 1320        | 1067            | 1320            |
| Max.shearing thickness(mm) | 1.0        | 1.0        | 1.0        | 1.0        | 1.0         | 1.0         | 1.0         | 1.0             | 1.0             |
| Max.bending thickness(mm)  | 1.0        | 1.0        | 1.0        | 1.0        | 1.0         | 1.0         | 1.0         | 1.0             | 1.0             |
| Max.bending angle          | 90°        | 90°        | 90°        | 90°        | 90°         | 90°         | 90°         | 90°             | 90°             |
| Max.rolling thickness(mm)  | 1.0        | 1.0        | 1.0        | 1.0        | 1.0         | 1.0         | 1.0         | 1.0             | 1.0             |
| Min.rolling dia.(mm)       | 29         | 39         | 39         | 39         | 40          | 42          | 50          | 60              | 60              |
| Packing size(cm)           | 54x24x28   | 49x33x42   | 84x41x66   | 100x41x66  | 135x45x72   | 139x54x78   | 168x54x78   | 150x59x93       | 179x59x93       |
| N.W/G.W.(kg)               | 19/20      | 43/35      | 112/123    | 136/153    | 195/212     | 278/297     | 349/377     | 390/440         | 470/530         |

## Hand Roll Machine



SJ320



W01-0.8X305



W01-0.8X305 Optional Standard



SJ300



W01-2X1000



| Model        | Max.thickness(mm) | Max.width(mm) | Dia.of roll(mm) | Packing dimension(cm) | N.W/G.W.(kg) |
|--------------|-------------------|---------------|-----------------|-----------------------|--------------|
| Sj320        | 1                 | 320           | 32              | 48x22x19              | 13/14.5      |
| Sj300        | 1                 | 300           | 32              | 48x22x18              | 13/14.5      |
| W01-0.8x305  | 0.8               | 305           | 25.4            | 54x24x28              | 13/14.5      |
| W01-0.8x610  | 0.8               | 610           | 38              | 95x27x38              | 37/40        |
| W01-0.8x915  | 0.8               | 915           | 50              | 134x34x50             | 80/90        |
| W01-0.8x1000 | 0.8               | 1000          | 50              | 148x35x50             | 86/107       |
| W01-1.5x1300 | 1.5               | 1300          | 75              | 173x45x58             | 195/220      |
| W01-2x610    | 2.0               | 610           | 60              | 126x62x118            | 166/210      |
| W01-2x1000   | 2.0               | 1000          | 60              | 155x62x118            | 200/240      |
| W01-2x1250   | 2.0               | 1250          | 60              | 180x62x118            | 223/260      |

## Electric Rolling Machine



ESR-1300X1.5



ESR-1300x1.5E



ESR-1020X2



| Model         | Max.thickness(mm) | Max.width(mm) | Dia.of roll(mm) | Motor power(kw) | Packing dimension(cm) | N.W./G.W.(kg) |
|---------------|-------------------|---------------|-----------------|-----------------|-----------------------|---------------|
| ESR-1300x1.5  | 1.5               | 1300          | 75              | 0.75            | 18x65x110             | 280/340       |
| ESR-1020x2.0  | 2.0               | 1020          | 60              | 0.75            | 174x60x126            | 260/325       |
| ESR-1300x1.5E | 1.5               | 1300          | 60              | 0.75            | 190x55x110            | 270/340       |
| ESR-1300x2.5  | 2.5               | 1300          | 90              | 1.5             | 200x72x120            | 540/600       |
| ESR-1300x4.5  | 4.5               | 1300          | 120             | 2.2             | 200x76x127            | 750/830       |
| ESR-1550x3.5  | 3.5               | 1550          | 120             | 2.2             | 222x76x127            | 790/890       |
| ESR-2020x3.5  | 3.5               | 2020          | 127             | 4.0             | 270x87x130            | 1100/1200     |
| ESR-2070x2.5  | 2.5               | 2070          | 120             | 2.2             | 282x87x130            | 1060/1200     |
| ESR-2070x3.5  | 3.5               | 2070          | 127             | 3.0             | 282x87x130            | 1110/1250     |

## Hydraulic Press



HP-20



HP-30S



HP-150CN



Manual-automatic

| Model         | HP-10S       | HP-20S       | HP-30         | HP-50         | HP-63         | HP-100                       |
|---------------|--------------|--------------|---------------|---------------|---------------|------------------------------|
| CAPACITY(KN)  | 100          | 200          | 300           | 500           | 630           | 1000                         |
| PRESSURE(MPa) | 40           | 40           | 25            | 25            | 30            | 30                           |
| TRAVEL (mm)   | 160+450      | 160+450      | 250+405       | 220+405       | 220+405       | 250+405                      |
| TALE SIZE(mm) | 200x300      | 200x300      | 300x400       | 400x500       | 400x500       | 440x980                      |
| DIMENSION(mm) | 700x450x1300 | 700x450x1300 | 1160x540x1600 | 1500x640x2000 | 1500x640x2000 | 1750x720x2250<br>730x630x960 |
| WEIGHT (KG)   | 180/230      | 220/270      | 420/650       | 980/1200      | 1020/1500     | 1220/1620                    |

| Model         | HP-150                       | HP-200                        | HP-300                           | HP-400                           | HP-500                           | HP-250                        |
|---------------|------------------------------|-------------------------------|----------------------------------|----------------------------------|----------------------------------|-------------------------------|
| CAPACITY(KN)  | 1500                         | 2000                          | 3000                             | 4000                             | 5000                             | 6300                          |
| PRESSURE(MPa) | 30                           | 31                            | 31                               | 31                               | 31                               | 31                            |
| TRAVEL(mm)    | 250+405                      | 300+405                       | 400+405                          | 400+405                          | 500+405                          | 300+405                       |
| TALE SIZE(mm) | 460x980                      | 500x1000                      | 700x1200                         | 900x1200                         | 1000x1200                        | 1000x600                      |
| DIMENSION(mm) | 1750x720x2250<br>730x630x960 | 1940x800x2250<br>830x730x1060 | 2900x1000x2200<br>1100x1200x1350 | 3000x1000x2250<br>1100x1200x1350 | 2300x1000x2900<br>1100x1200x1350 | 1950x950x2400<br>900x800x1060 |
| WEIGHT (KG)   | 460/510                      | 720/820                       | 4800                             | 6500                             | 7500                             | 2900                          |



RBM30HV



RBM10



HRBM50HV



HRM65

| Model              |                                                                                     | RBM30HV                            |               | RBM40HV                                            |                     | RBM50                                              |                     | RBM50HV                                            |                     | HRBM40HV                                           |                     | HRBM50HV                                           |                     | HRMB65                                             |                     |
|--------------------|-------------------------------------------------------------------------------------|------------------------------------|---------------|----------------------------------------------------|---------------------|----------------------------------------------------|---------------------|----------------------------------------------------|---------------------|----------------------------------------------------|---------------------|----------------------------------------------------|---------------------|----------------------------------------------------|---------------------|
| Dia. of roller(mm) |                                                                                     | Φ30                                |               | Φ40                                                |                     | Φ50                                                |                     |                                                    |                     | Φ40                                                |                     | Φ50                                                |                     | Φ65                                                |                     |
| Power              |                                                                                     | 0.75kw/1HP                         |               | 1.5kw/2HP                                          |                     | 2.2kw/3HP                                          |                     |                                                    |                     | 1.5kw/2HP                                          |                     | 2.2kw/3HP                                          |                     | 2.25kw                                             |                     |
| Spindle speed      |                                                                                     | 9 r/mm                             |               | 9.3 r/mm                                           |                     | 13 r/mm                                            |                     |                                                    |                     | 9.3 r/mm                                           |                     | 13 r/mm                                            |                     | 9.3 r/mm                                           |                     |
| Packing size       |                                                                                     | 120x75x121cm                       |               | 140x95x34cm                                        |                     | 100x82x155cm                                       |                     |                                                    |                     | 134x93x185cm                                       |                     | 150x95x134cm                                       |                     | 125x115x180cm                                      |                     |
| N.W./G.W.          |                                                                                     | 244/282kg                          |               | 425/495kg                                          |                     | 450/582kg                                          |                     |                                                    |                     | 490/586kg                                          |                     | 515/647kg                                          |                     | 720/920kg                                          |                     |
| Capacity           |  | Size(mm)                           | Min Dia. (mm) | Size(mm)                                           | Min Dia. (mm)       | Size(mm)                                           | Min Dia. (mm)       | Size(mm)                                           | Min Dia. (mm)       | Size(mm)                                           | Min Dia. (mm)       | Size(mm)                                           | Min Dia. (mm)       | Size(mm)                                           | Min Dia. (mm)       |
|                    | Pipe Bending                                                                        | 35x2 40x2 45x2<br>50x2 55x2 60x2   | 1000          | 30x2 35x2 40x2<br>45x2 50x2 55x2<br>60x2 65x2 70x2 | 700                 | 30x2 35x2 40x2<br>45x2 50x2 55x2<br>60x2 65x2 70x2 | 600                 | 30x2 35x2 40x2<br>45x2 50x2 55x2<br>60x2 65x2 70x2 | 700                 | 30x2 35x2 40x2<br>45x2 50x2 55x2<br>60x2 65x2 70x2 | 600                 | 30x2 35x2 40x2<br>45x2 50x2 55x2<br>60x2 65x2 70x2 | 700                 | 30x2 35x2 40x2<br>45x2 50x2 55x2<br>60x2 65x2 70x2 | 700                 |
|                    | Round-Bar Bending                                                                   | Φ15Φ20Φ25Φ30                       | 600           | Φ30<br>Φ40                                         | 650<br>1100         | Φ35<br>Φ30                                         | 600<br>650          | Φ30<br>Φ30                                         | 650<br>1100         | Φ35<br>Φ30                                         | 600<br>650          | Φ30<br>Φ30                                         | 650<br>1100         | Φ30<br>Φ30                                         | 650<br>1100         |
|                    | Square-Pipe Bending                                                                 | 40x40x3<br>50x30x3                 | 1000<br>1200  | 50x50x2.5 30x30x2<br>50x50x2.5 40x20x2             | 700 800<br>800 1000 | 60x60x3 40x40x3<br>70x50x3 50x40x3                 | 600 500<br>1200 800 | 50x50x2.5 30x30x2<br>50x50x2.5 40x20x2             | 700 800<br>800 1000 | 60x60x3 40x40x3<br>70x50x3 50x40x3                 | 600 500<br>1200 800 | 50x50x2.5 30x30x2<br>50x50x2.5 40x20x2             | 700 800<br>800 1000 | 50x50x2.5 30x30x2<br>50x50x2.5 40x20x2             | 700 800<br>800 1000 |
|                    | Flat-Steel Vertical Bending                                                         | 50x15                              | 350           | 50x10<br>20x6                                      | 600<br>800          | 60x10<br>40x10                                     | 500<br>650          | 50x10<br>20x6                                      | 600<br>800          | 60x10<br>40x10                                     | 500<br>650          | 50x10<br>20x6                                      | 600<br>800          | 50x10<br>20x6                                      | 600<br>800          |
|                    | Flat-Steel horizontal Bending                                                       |                                    |               | 60x20<br>30x6                                      | 800<br>1250         | 100x15<br>60x10                                    | 920<br>1150         | 60x20<br>30x6                                      | 800<br>1250         | 100x15<br>60x10                                    | 920<br>1150         | 60x20<br>30x6                                      | 800<br>1250         | 60x20<br>30x6                                      | 800<br>1250         |
|                    | Angle Steel inward Bending                                                          | 40x40x2 40x40x3<br>40x40x4 40x40x5 | 400           | 50x5<br>30x4                                       | 500<br>500          | 60x5<br>30x4                                       | 500<br>500          | 50x5<br>30x4                                       | 500<br>500          | 60x5<br>30x4                                       | 500<br>500          | 50x5<br>30x4                                       | 500<br>500          | 50x5<br>30x4                                       | 500<br>500          |
|                    | Angle Steel outward Bending                                                         | 40x40x2 40x40x3<br>40x40x4 40x40x5 | 400           | 50x5<br>30x4                                       | 500<br>500          | 60x5<br>30x4                                       | 500<br>500          | 50x5<br>30x4                                       | 500<br>500          | 60x5<br>30x4                                       | 500<br>500          | 50x5<br>30x4                                       | 500<br>500          | 50x5<br>30x4                                       | 500<br>500          |
|                    | U-Bar outward Bending                                                               | 50x25x2 50x25x3<br>50x25x4 50x25x5 | 400           | 60x40x6<br>30x15x4                                 | 600<br>900          | 85x45x6<br>65x40x5                                 | 600<br>550          | 60x40x6<br>30x15x4                                 | 600<br>900          | 85x45x6<br>65x40x5                                 | 600<br>550          | 60x40x6<br>30x15x4                                 | 600<br>900          | 60x40x6<br>30x15x4                                 | 600<br>900          |
|                    | U-Bar inward Bending                                                                | 50x25x2 50x25x3<br>50x25x4 50x25x5 | 300           | 60x40x6<br>30x15x4                                 | 600<br>900          | 85x45x6<br>65x40x5                                 | 650<br>550          | 60x40x6<br>30x15x4                                 | 600<br>900          | 85x45x6<br>65x40x5                                 | 650<br>550          | 60x40x6<br>30x15x4                                 | 600<br>900          | 60x40x6<br>30x15x4                                 | 600<br>900          |
|                    | T-steel outward Bending                                                             | 50x50x2 50x50x3<br>50x50x4 50x50x5 | 400           | 50x6<br>30x3                                       | 600<br>500          | 60x7<br>50x5                                       | 750<br>600          | 50x6<br>30x3                                       | 600<br>500          | 60x7<br>50x5                                       | 750<br>600          | 50x6<br>30x3                                       | 600<br>500          | 50x6<br>30x3                                       | 600<br>500          |
|                    | T-steel inward Bending                                                              | 50x25x2 50x25x3<br>50x25x4 50x25x5 | 300           | 50x6<br>30x3                                       | 600<br>500          | 60x7<br>50x5                                       | 750<br>700          | 50x6<br>30x3                                       | 600<br>500          | 60x7<br>50x5                                       | 750<br>700          | 50x6<br>30x3                                       | 600<br>500          | 50x6<br>30x3                                       | 600<br>500          |

## BandSaw

| Model   | Capacity      |                 |            |                 | Speed          |                |
|---------|---------------|-----------------|------------|-----------------|----------------|----------------|
|         | Circular 90°  | Rectangular 90° | Circle 45° | Rectangular 45° | '@60Hz         | '@50Hz         |
| BS-712N | 178mm         | 178x305mm       | 127mm      | 120x125mm       | 27,41,59,78mpm | 22,34,49,64mpm |
| Model   | Blade size    | Motor power     | Drive      | Packing size    | NW/GW          |                |
| BS-712N | 19x0.9x2362mm | 750w,1.1kw      | V-belt     | 125x45x115cm    | 145/178kg      |                |



BS-712N



GH4235

| Model                 | GH4220        | GH4235         | GH4240         | GH4250         |
|-----------------------|---------------|----------------|----------------|----------------|
| Cutlign capacity(mm)  | 200-200x200   | 350-350x350    | 400-400x400    | 500-500x500    |
| Blade size(mm)        | 2650x27x0.9   | 4115x34x1.1    | 5000x41x1.3    | 5800x41x1.3    |
| Blade speed(m/min)    | 27,45,69      | 27,45,69       | 27,45,69       | 27,45,69       |
| Clamping type         | Manual        | Hydraulic      | Hydraulic      | Hydraulic      |
| Main motor power(kw)  | 1.5           | 3              | 4              | 5.5            |
| Hydraulic motor(kw)   | 0.55          | 0.55           | 0.75           | 0.75           |
| Coolant pump(kw)      | 0.04          | 0.04           | 0.09           | 0.09           |
| Overall dimension(mm) | 1300x800x1100 | 2000x1100x1500 | 2400x1100x1900 | 2800x1400x1900 |

## Boring Machine



This machine is for boring and milling, adopt to rectangular guideways.

| Model                                                     | TP(X)611         |
|-----------------------------------------------------------|------------------|
| Table size                                                | 1320x1010mm      |
| Longitudinal/transverse travel of worktable (z/x axis)    | 1100x850mm       |
| Number/width/distance of T-slot                           | 7-22-125mm       |
| Vertical travel of headstock                              | 900mm            |
| Max.load of worktable                                     | 2500kg           |
| Spindle diameter                                          | 110mm            |
| Quill travel                                              | 550mm            |
| Facing head tool holder's radial travel                   | 160mm            |
| Max.drilling diameter                                     | 50mm             |
| Spindle taper                                             | MT6              |
| Spindle speed range                                       | 12-950rpm        |
| Facing head speed range                                   | 4-160rpm         |
| Spindle motor power                                       | 6.5/8kw          |
| Rapid feed motor power                                    | 3kw              |
| Headstock lifting and lowering worktable rapid feed speed | 1.8m/min         |
| Overall dimension                                         | 5030x2300x2760mm |
| Machine weight                                            | 12240kg          |

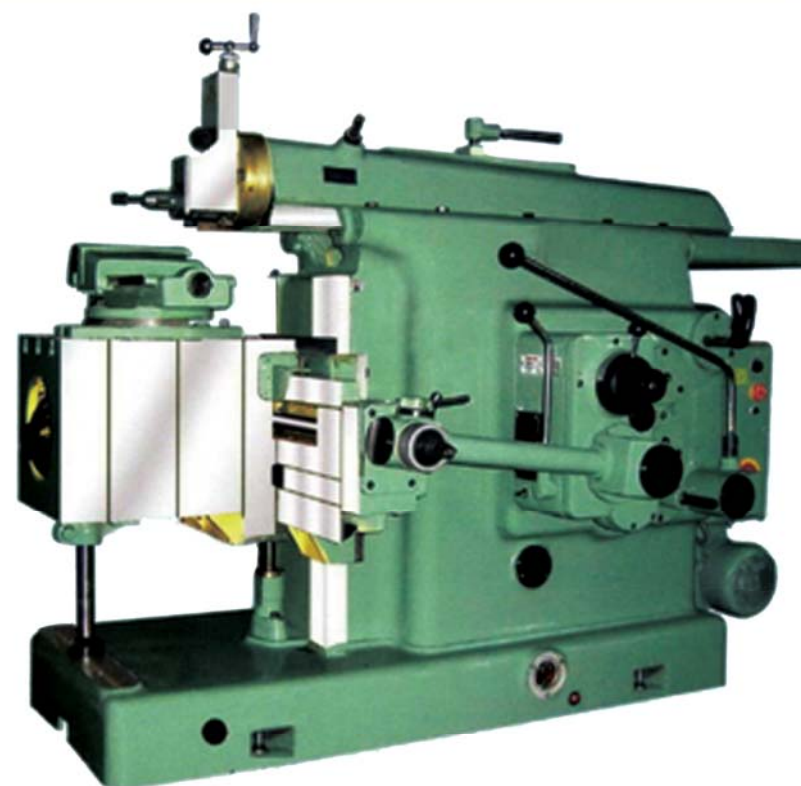
## Slotting Machine



This machine is used to process planes, model surfaces, key seating, etc

|                                                        |                  |
|--------------------------------------------------------|------------------|
| Work range                                             | B5020            |
| Max. slotting length                                   | 200mm            |
| Max. dimension of workpiece(kh)                        | 485x200mm        |
| Max. weight of workpiece                               | 400kg            |
| Max. cutting force                                     | 5500N            |
| No. of ram strokes per minute                          | 32,50,80,125     |
| vertical adjustment of ram                             | 230mm            |
| Inclination of ram                                     | 0-8°             |
| Distance between tool holding surface and column front | 485mm            |
| Max. tool shank size(wxh)                              | 25x40mm          |
| Table diameter                                         | 500mm            |
| Distance between table surface and low end of ram      | 320mm            |
| Max. longitudinal travel of table                      | 500mm            |
| Max. cross travel of table                             | 500mm            |
| Range of table longitudinal and cross power feeds      | 0.08-1.21mm      |
| Range of table rotary power feeds                      | 0.052°-0.783deg  |
| Power of main drive motor                              | 3kw              |
| Rotating speed of main drive motor                     | 1430rpm          |
| Overall dimensions(LxWxH)                              | 1945x1325x1980mm |
| Weight(approx)                                         | 2400kg           |

## Shaping Machine



This machine is used for planning the plane on the small and medium-size workpieces in small batch production of a single piece, forming the surface and grooves.

| Specification                          | B635A         | B6050                          | B6063             | B6070          | B60100                 |
|----------------------------------------|---------------|--------------------------------|-------------------|----------------|------------------------|
| Max. cutting length                    | 350mm         | 500mm                          | 630mm             | 700mm          | 1000mm                 |
| Max. horizontal travel of table        | 400mm         | 500mm                          | 630mm             | 630mm          | 800mm                  |
| Max. distance from ram bottom to table | 330mm         | 370mm                          | 385mm             | 420mm          | 380mm                  |
| Max. table vertical travel             | 270mm         | 300mm                          | 360mm             | 320mm          | 320mm                  |
| Max. vertical travel of tool carrier   | 110mm         | 110mm                          | 120mm             | 125mm          | 160mm                  |
| Number of ram strokes per minute       | 32,50,80,125  | 15,24,37,51,64,80,10,21,26,158 | 14,20,28,40,56,80 | 11,20,38,52,72 | 8,11,16,23,32,45,64,90 |
| MOTOR POWER                            | 1.5kw         | 4kw                            | 3kw               | 4kw            | 7.5kw                  |
| Overall dimensions (LxWxH) mm          | 1350x860x1455 | 1943x1173x1533                 | 2265x1225x1480    | 2550x1400x1760 | 3507x1455x1761         |



| Parameters                              | Unit              | Q11-3x1300     | Q11-3x1500     | Q11-3x1600     |
|-----------------------------------------|-------------------|----------------|----------------|----------------|
| The maximum shear plate thickness       | mm                | 3              | 3              | 3              |
| The maximum shear plate width           | mm                | 1300           | 1500           | 1600           |
| The ultimate strength of shearing plate | N/mm <sup>2</sup> | ≤450           | ≤450           | ≤450           |
| Shear angle                             | °                 | 2°10'          | 2°             | 2°             |
| After the expected maximum distance     | mm                | 350            | 350            | 350            |
| The number of strokes                   | rpm               | 55             | 55             | 55             |
| Main motor power                        | kw                | 3              | 3              | 3              |
| Shape size                              | mm                | 2100x1200x1220 | 2300x1200x1220 | 2400x1200x1220 |
| Weight of machine                       | kg                | 1300           | 1400           | 1500           |



| Parameters                              | Unit              | QB11-4x2000    | QB11-4x2500    | QB11-4x3200    | QB11-6x1500    | QB11-6x2000    |
|-----------------------------------------|-------------------|----------------|----------------|----------------|----------------|----------------|
| The maximum shear plate thickness       | mm                | 4              | 4              | 4              | 6              | 6              |
| The maximum shear plate width           | mm                | 2000           | 2500           | 3200           | 1500           | 2000           |
| The ultimate strength of shearing plate | N/mm <sup>2</sup> | ≤450           | ≤450           | ≤450           | ≤450           | ≤450           |
| Shear angle                             | °                 | 2°15'          | 1°50'          | 1°30'          | 2°50'          | 2°             |
| After the expected maximum distance     | mm                | 500            | 500            | 500            | 500            | 500            |
| The number of strokes                   | rpm               | 45             | 45             | 45             | 45             | 50             |
| Main motor power                        | kw                | 5.5            | 5.5            | 7.5            | 7.5            | 7.5            |
| Shape size                              | mm                | 2990x1420x1250 | 3490x1420x1250 | 4986x1900x1610 | 2550x1570x1400 | 3100x1650x1620 |
| Weight of machine                       | kg                | 3000           | 3500           | 5100           | 2600           | 3800           |

| Parameters                              | Unit              | QB11-6x2500    | QB11-8x2000    | QB11-8x2500    | QB11-10x1500   | QB11-12x1000   |
|-----------------------------------------|-------------------|----------------|----------------|----------------|----------------|----------------|
| The maximum shear plate thickness       | mm                | 6              | 8              | 8              | 10             | 12             |
| The maximum shear plate width           | mm                | 2500           | 2000           | 2500           | 1500           | 1000           |
| The ultimate strength of shearing plate | N/mm <sup>2</sup> | ≤450           | ≤450           | ≤450           | ≤450           | ≤450           |
| Shear angle                             | °                 | 1°50'          | 2°25'          | 2°             | 3°             | 3°             |
| After the expected maximum distance     | mm                | 500            | 500            | 500            | 500            | 500            |
| The number of strokes                   | rpm               | 50             | 50             | 50             | 50             | 50             |
| Main motor power                        | kw                | 11             | 11             | 11             | 15             | 15             |
| Shape size                              | mm                | 3600x1650x1642 | 3100x1650x1620 | 3600x1650x1620 | 2670x1650x1620 | 2176x1650x1620 |
| Weight of machine                       | kg                | 4600           | 4200           | 6000           | 4000           | 3600           |



Q11-16x2500



Q11-13x2500

| Parameters                              | Unit              | Q11-8*2500     | Q11-13*2500    | Q11-16*2500    |
|-----------------------------------------|-------------------|----------------|----------------|----------------|
| The maximum shear plate thickness       | mm                | 8              | 13             | 16             |
| The maximum shear plate width           | mm                | 2500           | 2500           | 2500           |
| The ultimate strength of shearing plate | N/mm <sup>2</sup> | ≤450           | ≤450           | ≤450           |
| Shear angle                             | °                 | 2°             | 3°             | 3°             |
| After the expected maximum distance     | mm                | 650            | 700            | 700            |
| The number of strokes                   | rpm               | 20             | 20             | 20             |
| Main motor power                        | kw                | 11             | 15             | 22             |
| Shape size                              | mm                | 3680x2200x1780 | 3680x2330x2500 | 3680x2330x2500 |
| Weight of machien                       | kg                | 7100           | 13000          | 14500          |



Q11-16x2500

| Parameters                              | Unit              | Q11C-4*2000    | Q11C-4*2500    | Q11C-6*2000    | Q11C-6*2500    | Q11C-8*2000    |
|-----------------------------------------|-------------------|----------------|----------------|----------------|----------------|----------------|
| The maximum shear plate thickness       | mm                | 4              | 4              | 6              | 6              | 8              |
| The maximum shear plate width           | mm                | 2000           | 2500           | 2000           | 2500           | 2000           |
| The ultimate strength of shearing plate | N/mm <sup>2</sup> | ≤450           | ≤450           | ≤450           | ≤450           | ≤450           |
| Shear angle                             | °                 | 2°15'          | 1°50'          | 2°             | 1°50'          | 2°25'          |
| After the expected maximum distance     | mm                | 500            | 500            | 500            | 500            | 500            |
| The number of strokes                   | rpm               | 45             | 45             | 50             | 50             | 50             |
| Main motor power                        | kw                | 5.5            | 5.5            | 7.5            | 7.5            | 11             |
| Shape size                              | mm                | 3050x1500x1420 | 3550x1500x1420 | 3040x1540x1580 | 3540x1540x1580 | 3100x1540x1580 |
| Weight of machien                       | kg                | 2570           | 2980           | 3650           | 4050           | 4400           |

## Mechanical Shearing Machine



Q11D-6-1500

| Parameters                              | Unit              | Q11D-4x2000    | Q11D-4x2500    | Q11D-6x2000    | Q11D-6x2500    | Q11D-8x2000    | Q11D-8x2500    |
|-----------------------------------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| The maximum shear plate thickness       | mm                | 4              | 4              | 6              | 6              | 8              | 8              |
| The maximum shear plate width           | mm                | 2000           | 2500           | 2000           | 2500           | 2000           | 2000           |
| The ultimate strength of shearing plate | N/mm <sup>2</sup> | ≤450           | ≤450           | ≤450           | ≤450           | ≤450           | ≤450           |
| Shear angle                             | °                 | 2°15'          | 1°50'          | 2°             | 1°50'          | 2°25'          | 2°10'          |
| After the expected maximum distance     | mm                | 500            | 500            | 500            | 500            | 500            | 500            |
| The number of strokes                   | rpm               | 30             | 30             | 30             | 30             | 19             | 19             |
| Main motor power                        | kw                | 5.5            | 5.5            | 7.5            | 7.5            | 11             | 15             |
| Shape size                              | mm                | 3040x1540x1700 | 3200x1490x1420 | 2750x1600x1610 | 3250x1600x1610 | 2750x1600x1610 | 3250x1680x1800 |
| Weight of machine                       | kg                | 2560           | 2960           | 3250           | 3650           | 4100           | 4600           |

## Mechanical Shearing Machine



Q11D



| Parameters                              | Unit              | Q11D-3x1300    | Q11D-3x1500    | Q11D-3x1600    | Q11D-2.5x2000  |
|-----------------------------------------|-------------------|----------------|----------------|----------------|----------------|
| The maximum shear plate thickness       | mm                | 3              | 3              | 3              | 2.5            |
| The maximum shear plate width           | mm                | 1300           | 1500           | 1600           | 2000           |
| The ultimate strength of shearing plate | N/mm <sup>2</sup> | ≤450           | ≤450           | ≤450           | ≤450           |
| Shear angle                             | °                 | 2°             | 3°             | 3°             | 3°             |
| After the expected maximum distance     | mm                | 650            | 700            | 700            | 700            |
| The number of strokes                   | rpm               | 30             | 30             | 30             | 30             |
| Main motor power                        | kw                | 4.5            | 4.5            | 4.5            | 4.5            |
| Shape size                              | mm                | 1860x1200x1200 | 2060x1200x1200 | 2200x1360x1260 | 2600x1360x1320 |
| Weight of machine                       | kg                | 1200           | 1300           | 1400           | 1800           |



## JC21 Series Punching Machine

### Application:

Suitable for blanking, punching, forming, bending, shallow drawing and many other cold stamping process. Widely used in electrical appliances, instrumentation, instrumentation, vehicles, agricultural machinery, hardware and other industrial areas.

### Structure:

Welded steel body, higher strength and stiffness.  
C-type body for easy mode loading and the larger size materials processing.  
Crankshaft horizontally place, easy maintenance.  
Rigid turn key clutch, simple structure.  
Band brake, easy to adjust.  
Crushable type of insurance that allows the machine is not damaged when overloaded.

### Features:

Higher body strength and stiffness, economy and durability.  
Simple structure, versatility, easy maintenance and operation.

| TECHNICAL Data                                           | JC21-63        | JC21-80        | JC21-100       | JC21-125       | JC21-160       | JC21-200       | JC21-250       | JC21-315       | JC21-400       | JC21-500       | JC21-630       | JC21-800       |
|----------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Nominal Force (KN)                                       | 630            | 800            | 1000           | 1250           | 1600           | 2000           | 2500           | 3150           | 4000           | 5000           | 6300           | 8000           |
| Stroke Under Nominal Force(mm)                           | 4              | 5              | 5              | 6              | 6              | 6              | 6              | 6              | 6              | 10             | 10             | 10             |
| Slider Block Stroke (mm)                                 | 80             | 100            | 100            | 120            | 140            | 160            | 160            | 180            | 180            | 140            | 140            | 140            |
| Number of Stroke (one time/min)                          | 60             | 60             | 40             | 38             | 40             | 36             | 36             | 36             | 36             | 36             | 36             | 30             |
| Maximum Closure Height(mm)                               | 250            | 300            | 300            | 320            | 350            | 390            | 450            | 500            | 500            | 500            | 500            | 500            |
| Closure Height Adjustment Range(mm)                      | 50             | 60             | 80             | 100            | 110            | 110            | 110            | 120            | 120            | 120            | 120            | 120            |
| Distance From Slide Block Center Point to Press Body(mm) | 250            | 260            | 310            | 350            | 380            | 400            | 420            | 460            | 460            | 460            | 460            | 460            |
| Working table Dimensions(W×L)mm                          | 440×670        | 470×750        | 570×860        | 650×1000       | 710×1120       | 740×1300       | 800×1400       | 880×1500       | 880×1500       | 880×1500       | 880×1500       | 880×1500       |
| Hole Dimensions of Working Table ( Diameter)             | Φ180           | Φ180           | Φ180           | Φ200           | Φ220           | Φ180           | Φ220           | Φ250           | Φ250           | Φ250           | Φ250           | Φ250           |
| Thickness of Working Table(mm)                           | 70             | 80             | 90             | 110            | 130            | 160            | 160            | 180            | 200            | 220            | 240            | 250            |
| Dimension of Slide Block Bottom Surface (W×L)(mm)        | 240×280        | 260×300        | 360×450        | 420×520        | 440×560        | 580×760        | 600×780        | 700×930        | 700×930        | 700×930        | 700×930        | 700×930        |
| Hole Dimensions of die(Diameter × Depth)mm               | Φ50×70         | Φ60×80         | Φ60×80         | Φ60×80         | Φ65×90         | Φ85×90         | Φ70×100        | Φ70×100        | Φ70×100        | Φ70×100        | Φ70×100        | Φ80×100        |
| Distance Between Columns of Body (mm)                    | 320            | 360            | 460            | 520            | 640            | 740            | 740            | 820            | 840            | 840            | 840            | 760            |
| Motor(Type/ Power)KW                                     | Y132S-4/5.5    | Y132M-4/5.5    | Y132M-4/7.5    | Y160L-6/11     | Y180L-6/15     | Y200L-6/18.5   | Y200L-6/22     | Y225M-6/30     | Y250M-6/37     | Y280S-6/45     | Y315S-6/75     | Y315M-6/90     |
| Overall Dimension(L×W×H)mm                               | 1440×1100×2430 | 1756×1265×2450 | 1820×1400×2850 | 1905×1650×2850 | 2040×1765×3200 | 2380×1950×3520 | 2630×2100×3750 | 2790×2450×4050 | 2850×2550×4100 | 2950×2600×4100 | 3050×2650×4200 | 3250×2650×4300 |
| Weight(Kg)                                               | 4150           | 5400           | 6420           | 9500           | 12500          | 16200          | 21000          | 27600          | 34260          | 37500          | 40400          | 50500          |

## Manual surface grinder

## Characteristics of machine tools:

Spindle adopts ultra precision P4 ball bearing, after measuring pre strict pressure, assembled in the greenhouse, and equipped with a completely waterproof mazy design, in order to ensure the service life and the grinding of bearing surface roughness. Which marching with ball screw.

It has the advantages of compact structure, easy to operate.

A longitudinal guide rail worktable adopts rolling guide, rope wheel traction, light and flexible



| Technical Parameters                          |                                     | Unit  | M618                            | M820                               |
|-----------------------------------------------|-------------------------------------|-------|---------------------------------|------------------------------------|
| Table maximum cutting area (L×W×H)            |                                     | mm    | 500×190×335                     | 520×220×490                        |
| Working table movement                        | Max.Grinding Length                 | mm    | 500                             | 520                                |
|                                               | Max.Grinding width                  | mm    | 190                             | 220                                |
| Distance From Table Surface To Spindle Center |                                     | mm    | 335                             | 490                                |
| Slide way                                     |                                     |       | V-type rail with Steel-ball     | V-type Double rail with Steel-ball |
| Maximum work load                             |                                     | Kg    | 200                             | 200                                |
| Table size                                    |                                     | mm    | 460×180                         | 480×200                            |
| Number of T-Slot                              |                                     | mm×n  | 14×1                            | 14×1                               |
| Number of T-Slot                              |                                     | m/min | 3-23                            | 3-23                               |
| Front and rear wheel feed                     |                                     | mm    | 0.02/Graduation 2.5/revolution  | 0.02/Graduation 2.5/revolution     |
| On the hand wheel feed                        |                                     | mm    | 0.01/Graduation 1.25/revolution | 0.01/Graduation 1.25/revolution    |
| Wheel Size(dia×width×bore)                    |                                     | mm    | 180×13×31.75                    | 200×20×31.75                       |
| Spindle speed                                 | 50Hz                                | rpm   | 2850                            | 2850                               |
|                                               | Variable frequency motor (matching) |       | 0-6000                          | 0-6000                             |
| Spindle motor                                 |                                     | kw    | 1.1                             | 1.5                                |
| Cooling pump                                  |                                     | kw    | 0.4                             | 0.4                                |
| Packing Size (L×W×H)                          |                                     | mm    | 1240×1080×1680                  | 1260×1140×1760                     |
| Cross, Net                                    |                                     | T     | 0.75, 0.65                      | 0.85, 0.75                         |

## Automatic precision surface grinder

## Characteristics of machine tools:

Based on manual surface grinder, it covert the longitudinal and vertical machine to fully automatic The bidirectional friction electronic clutch, simple and reliable structure, clutch reversing process has no impact, no noise, safe commutation 5000000 times; the electric control part with electronic switching frequency switching. The service life 10 times longer than the relay control, simple operation, sensitive, infinitely variable; large output torque, low noise, Safe and reliable. Power supply use a number of mechanical and electrical protection function which is safe voltage, Energy saving, power saving, power consumption per class (calculated according to 8 hours) is only 0.6. When the manual grinding is working, Before and after the workbench's movement, in and out, around the reversing are automatic operation, greatly improving the production's efficiency and the surface finish, suitable scope that from the original single, small batch to mass batch.



| Technical Parameters |                                                        |                             | M618           | M820           |
|----------------------|--------------------------------------------------------|-----------------------------|----------------|----------------|
| Bench                | Max.workpiece to be Ground (L×W×H)                     | mm                          | 460×180        | 480×200        |
|                      | Maximum travel of table (L×W)                          | mm                          | 500×190        | 530×220        |
|                      | Table maximum cutting area (L×W)                       | mm                          | 500×190        | 520×220        |
|                      | Number of T-Slot                                       | mm                          | 1×12           | 1×14           |
| The grinding head    | Distance From Table Surface To Spindle Center          | m                           | 335            | 450            |
|                      | WA46K5V Wheel Size (dia×width×bore)                    | mm                          | ø200×20×ø31.75 | ø200×20×ø31.75 |
|                      | Spindle speeds                                         | r/m                         | 2850           | 2850           |
| The amount of feed   | Table longitudinal (left and right) speed (stepless)   |                             | /min           | 3-23           |
|                      | Table horizontal (before and after) the amount of feed | Continuous (variable speed) | m/min          | 150            |
|                      |                                                        | Intermittent (stepless)     | m              | 0-5            |
|                      |                                                        | The handwheel rotates       | mm             | 2.5            |
|                      |                                                        | Hand wheel each grid        | mm             | 0.02           |
|                      | Vertical (up and down) feed wheel feed                 | The handwheel rotates       | mm             | 1.25           |
|                      |                                                        | Hand wheel each grid        | mm             | 0.01           |
|                      |                                                        |                             | mm             | 0.01           |
| Reversing feeder     | The total input power                                  |                             | W              | 150            |
|                      | X-feeder output speed                                  |                             | m/min          | 0-225          |
|                      | X-feeder size                                          |                             | m              | 280×130×120    |
|                      | Y-feeder output speed                                  |                             | m/min          | 0-120          |
|                      | Y-feeder size                                          |                             | m              | 280×130×120    |
| Motor power          | Spindle motor                                          |                             | kw             | 1.1            |
|                      | Cooling motor                                          |                             | kw             | 0.4            |
| Working precision    | The machined surface of the base of parallelism        |                             | m              | 300/0.005      |
|                      | Surface Roughness                                      |                             | μm             | Ra0.32         |
| Weight of machine    | Net                                                    |                             | kg             | 750            |
|                      | Cross                                                  |                             | kg             | 800            |
|                      | Packing Size (L×W×H)                                   |                             | m              | 1060×1170×1870 |

## Hydraulic automatic precision grinder

### Characteristics of machine tools:

The machine is reasonable in structure, good rigidity, beautiful appearance, convenient operation. Using precision plastic guide surface and precision scraping, grinding imported hydraulic transmission, drive by synchronous.

The main mechanical valve is a special valve grinder, is divided into twoparts, the mechanical commutation control, throttle control. Throttle control part and unloading function, can realize the station start and stop.

Grinding can be all kinds of plane and complex shaped surface, suitable for motor without grinding the feed, according to user needs with a permanent magnet sucker or electromagnetic sucker.



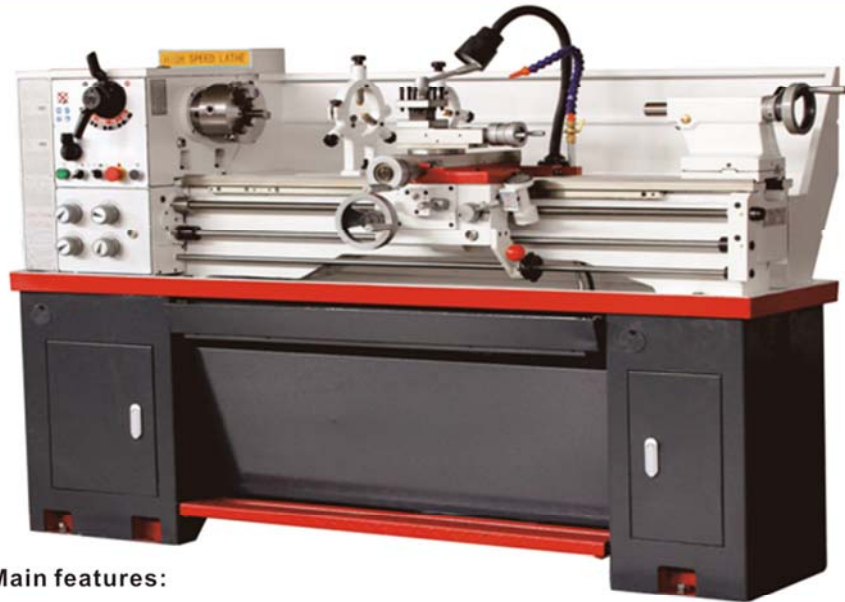
| Technical Parameters |                                                        |                             | MY820          | MY1022         | MY1224          | MY1230         |      |
|----------------------|--------------------------------------------------------|-----------------------------|----------------|----------------|-----------------|----------------|------|
| Bench                | Max table surfacing size (L×W×H)                       | m                           | 480×200        | 540×260        | 600×300         | 700×320        |      |
|                      | Max stroke (L × W)                                     | m                           | 520×220        | 560×260        | 640×320         | 760×320        |      |
|                      | Table maximum cutting area (L × W)                     | m                           | 520×220        | 560×260        | 640×320         | 760×320        |      |
|                      | Number of T-Slot                                       | mm                          | 1×14           | 1×14           | 1×14            | 1×14           |      |
| The grinding head    | Distance From Table Surface To Spindle Center          | mm                          | 450            | 450            | 490             | 540            |      |
|                      | WA46K5V Wheel Size (dia×width×bore)                    | mm                          | ø200×20×ø31.75 | ø200×20×ø31.75 | ø250×25.4×ø76.2 | ø335×30×ø127   |      |
|                      | Spindle speeds                                         | r/min                       | 2850           | 2850           | 1440            | 1440           |      |
| The amount of feed   | Table longitudinal (left and right) speed (stepless)   | m/min                       | 3-23           | 3-23           | 3-20            | 3-25           |      |
|                      | Table horizontal (before and after) the amount of feed | Continuous (variable speed) | m/min          | 150            | 150             | 150            | 150  |
|                      |                                                        | Intermittent (stepless)     | mm/次           | 0-5            | 0-5             | 0-5            | 0-5  |
|                      |                                                        | The handwheel rotates       | mm             | 2.5            | 4               | 4              | 4    |
|                      | Hand wheel each grid                                   | mm                          | 0.02           | 0.02           | 0.02            | 0.02           |      |
|                      | Vertical (up and down) feed wheel feed                 | The handwheel rotates       | mm             | 1.25           | 2               | 2              | 2    |
|                      |                                                        | Hand wheel each grid        | mm             | 0.01           | 0.01            | 0.01           | 0.01 |
| Hydraulic system     | Hydraulic motor                                        | kw                          | 1.5            | 1.5            | 1.5             | 1.5            |      |
|                      | Working Pressure                                       | Mpa                         | 3              | 3              | 3               | 3              |      |
|                      | Oil tank capacity                                      | L                           | 80             | 80             | 80              | 80             |      |
|                      | Max.Capacity                                           | L/min                       | 18             | 18             | 18              | 18             |      |
| Motor power          | Spindle motor                                          | kw                          | 1.5            | 1.5            | 2.2             | 4              |      |
|                      | Cooling motor                                          | w                           | 40             | 40             | 40              | 40             |      |
| Working precision    | The machined surface of the base of parallelism        | m                           | 300/0.004      | 300/0.004      | 300/0.004       | 300/0.004      |      |
|                      | Surface Roughness                                      | μm                          | Ra0.32         | Ra0.32         | Ra0.32          | Ra0.32         |      |
| Weight of machine    | Net                                                    | T                           | 1.05           | 1.25           | 1.5             | 2.1            |      |
|                      | Gross                                                  | T                           | 1.15           | 1.35           | 1.65            | 2.35           |      |
| Packing Size (L×W×H) |                                                        | m                           | 1680×1140×1720 | 1780×1220×1780 | 1960×1630×1870  | 1990×1700×1990 |      |



### Main features:

- 1.Precision ground and hardened bedways
- 2.The spindle is supported with precision roller bearings
- 3.Head stock gears are made of high quality steel ground and hardened
- 4.Three different length beds are available
- 5.Easy operating speed change levers
- 6.Removable gap is provided for larger diameter work
- 7.Easy operating gear box has various feeds and thread cutting function
- 8.With or without foot stand for optional

| Model     |                                 | CQ6230B                   | CQ6232B                   |
|-----------|---------------------------------|---------------------------|---------------------------|
| Capacity  | Swing over bed                  | 300mm                     | 300mm                     |
|           | Swing over gap                  | 430mm                     | 430mm                     |
|           | Swing over cross slide          | 180mm                     | 180mm                     |
|           | Distance between centers        | 750mm/910mm/1000mm        | 750mm/910mm/1000mm        |
| Spindle   | Speed range                     | 65-1400rpm(or 65-1810rpm) | 65-1400rpm(or 65-1810rpm) |
|           | Spindle bore                    | 38mm                      | 38mm                      |
|           | Taper of bore                   | No.5Morse                 | No.5Morse                 |
| Travel    | Longitudinal feeds range        | 36kinds0.079-1.291mm/rev  | 36kinds0.079-1.291mm/rev  |
|           | Cross feeds range               | 36kinds0.017-0.276mm/rev  | 36kinds0.017-0.276mm/rev  |
| Feed      | Metric threads range            | 0.4-7mm                   | 0.4-7mm                   |
|           | Inch threads range              | 4-60T.P.I                 | 4-60T.P.I                 |
| Tailstock | Travel of tailstock sleeve      | 100mm                     | 100mm                     |
|           | Morse taper of tailstock sleeve | No.3Morse                 | No.3Morse                 |
| Others    | Power of main motor             | 1.1kw                     | 1.5kw                     |
|           | Weight                          | 550/590/670kgs            | 550/590/670kgs            |
|           | Size                            | 1480/1680/1940*750*1400mm | 1480/1680/1940*750*1400mm |



### Main features:

- 1.Precision ground and hardened bedways
- 2.The spindle is supported with precision roller bearings
- 3.Head stock gears are made of high quality steel ground and hardened
- 4.Three different length beds are available
- 5.Spindle speed range 70-2000R/MIN
- 6.D1-4 cam lock spindle nose
- 7.5MM spindle bore for optional

| Model                  | CQ6232G       | CQ6236G       |
|------------------------|---------------|---------------|
| Swing over bed         | 330mm         | 360mm         |
| Swing over cross slide | 198mm         | 224mm         |
| Swing in gap diameter  | 476mm         | 502mm         |
| Swing in length        | 210mm         | 210mm         |
| Center height          | 166mm         | 179mm         |
| Admits between         | 750mm/1000mm  | 750mm/1000mm  |
| Bed width              | 187mm         | 187mm         |
| Bed length             | 1405mm/1655mm | 1405mm/1655mm |
| Bed Height             | 290mm         | 290mm         |
| Spindle bore           | 38mm          | 38mm          |
| Spindle nose           | D1-4"         | D1-4"         |
| Taper in nose          | MT No.5       | MT No.5       |
| Speeds number          | 8             | 8             |
| Range of spindle speed | 70-2000rpm    | 70-2000rpm    |

|           |                             |                         |                         |
|-----------|-----------------------------|-------------------------|-------------------------|
| Travel    | Cross slide width           | 130mm                   | 130mm                   |
|           | Cross slide travel          | 170mm                   | 170mm                   |
|           | Compound rest width         | 80mm                    | 80mm                    |
|           | Compound rest Travel        | 95mm                    | 95mm                    |
|           | Lead screw diameter         | 22mm                    | 22mm                    |
|           | Lead screw thread           | 8T.P.I. or 3mm          | 8T.P.I. or 3mm          |
|           | Feed rod diameter           | 19mm                    | 19mm                    |
|           | Cutting tool max section    | 16"16mm                 | 16"16mm                 |
|           | Threads imperial pitches    | 34Nos.4-56T.P.I         | 34Nos.4-56T.P.I         |
|           | Threads metric pitches      | 26Nos.0.4-7mm           | 26Nos.0.4-7mm           |
|           | Longitudinal feeds imperial | 32Nos.0.002-0.0548"/rev | 32Nos.0.002-0.0548"/rev |
|           | Longitudinal feeds metric   | 32Nos.0.052-1.392mm/rev | 32Nos.0.052-1.392mm/rev |
|           | Cross feeds imperial        | 32Nos.0.014-0.380mm/rev | 32Nos.0.014-0.380mm/rev |
| Feed      | Quill diameter              | 32mm                    | 32mm                    |
|           | Quill travel                | 100mm                   | 100mm                   |
| Tailstock |                             |                         |                         |
| Others    | For main motor              | 2PH,3PH or 2PH,1PH      | 2PH,3PH or 2PH,1PH      |

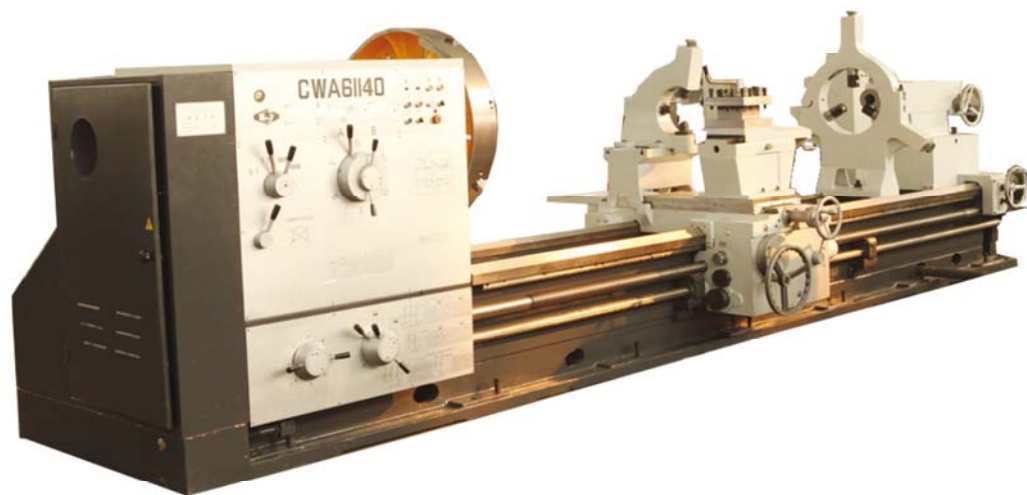


### Main features:

- 1.Precision ground and hardened bedways
- 2.The spindle is supported with precision roller bearings
- 3.Head stock gears are made of high quality steel ground and hardened HRC48
- 4.Integrated and segregate foot stand for optional
- 5.Variable speed motor for optional

| Model     |                           | C6241                    | C6246                    |
|-----------|---------------------------|--------------------------|--------------------------|
| Capacity  | Swing over bed            | 410mm                    | 460mm                    |
|           | Swing over cross slide    | 224mm                    | 274mm                    |
|           | Swing in gap              | 640mm                    | 690mm                    |
|           | Length of gap             | 165mm                    | 165mm                    |
|           | Distance between centers  | 1000mm/1500mm/2000mm     | 1000mm/1500mm/2000mm     |
| Headstock | Bed Width                 | 300mm                    | 300mm                    |
|           | Spindle Nose              | D1-6                     | D1-6                     |
|           | Spindle Bore              | 58mm                     | 58mm                     |
|           | Tarper of spindle bore    | No.6Morse                | No.6Morse                |
|           | Range of spindle speed    | 12changes25-2000/min     | 12changes25-2000/r/min   |
| Travel    | Max.travel of top slide   | 120mm                    | 120mm                    |
|           | Max.travel of cross slide | 290mm                    | 290mm                    |
|           | Leadscrew pitch           | 6mm                      | 6mm or 4T.P.I.           |
|           | Max.section of tool       | 25x25mm                  | 25x25mm                  |
|           | Longitudinal feeds range  | 42kinds0.031-1.7mm/rev   | 42kinds0.031-1.7mm/rev   |
|           | Cross feeds range         | 42kinds0.014-0.784mm/rev | 42kinds0.014-0.784mm/rev |

|           |                                 |                   |                   |
|-----------|---------------------------------|-------------------|-------------------|
| Travel    | Compound rest width             | 80mm              | 80mm              |
|           | Compound rest Travel            | 95mm              | 95mm              |
|           | Lead screw diameter             | 22mm              | 22mm              |
|           | Lead screw thread               | 8T.P.I. or 3mm    | 8T.P.I. or 3mm    |
| Feeds     | Metric threads range            | 41kinds0.1-14mm   | 41kinds0.1-14mm   |
|           | Inch threads range              | 60kinds2-112T.P.I | 60kinds2-112T.P.I |
|           | Diametrical pitches range       | 50kinds4-112D.P.I | 50kinds4-112D.P.I |
|           | Module pitches range            | 34kinds0.1-7M.P.  | 34kinds0.1-7M.P.  |
| Tailstock | Dia. of tailstock sleeve        | 60mm              | 60mm              |
|           | Travel of tailstock sleeve      | 128mm             | 128mm             |
|           | Morse taper of tailstock sleeve | No.4Morse         | No.4Morse         |
|           | Power of main motor             | 4kw or 5.5kw      | 4kw or 5kw        |
|           | Power of coolant pump           | 90w               | 90w               |



### Main features:

This machine tool is capable of various coarse and fine turning of ferrous metal, nonferrous metal and non-metal work-pieces, such as turning of inner and outer cylindrical surfaces, conical surface and other surfaces of revolution. It is also capable of turning of end faces and various metric, inch, module and pitch threads in common use as well as multiple-threads. Moreover, it enables drilling, reaming, oil channeling and so on thereon. The dimensional accuracy of work-pieces processed on this machine tool can reach IT7 level, with its roundness error being no larger than 0.01 and its cylindricity on 300 mm length being no larger than 0.03. Its surface roughness can reach 1.6 (for standard sample piece).

| Model                      | CW6163E<br>CW6263E                                           | CW6180E<br>CW6280E | CW61100E<br>CW62100E | CW61120E<br>CW62120E |
|----------------------------|--------------------------------------------------------------|--------------------|----------------------|----------------------|
| Max swing over bed         | 630mm                                                        | 800mm              | 1000mm               | 1200mm               |
| Max swing over cross slide | 350mm                                                        | 485mm              | 685mm                | 800mm                |
| Max swing over gap         | 630mm                                                        | 1000mm             | 1200mm               | 1400mm               |
| Valid length of gap        | 230mm                                                        |                    |                      |                      |
| Center distance            | 1m 2m 3m 4m 5m 6m 8m 10m 12m                                 |                    |                      |                      |
| Max turning length         | 750, 1250, 1750, 2750, 3750, 4750, 5750, 7750, 9750, 11750mm |                    |                      |                      |
| Bed width                  | 550mm                                                        |                    |                      |                      |
| Spindle bore               | Φ105mm ( Φ130mm can choose for over CW6180E )                |                    |                      |                      |
| Spindle nose               | C-11 or D-11                                                 |                    |                      |                      |
| Spindle taper              | Φ120mm 1:20 ( Φ140mm can choose for over CW6180E )           |                    |                      |                      |
| Spindle speeds             | 14-750rpm(18steps)                                           |                    |                      |                      |
| Metric threads range       | 1-240mm(54 kinds)                                            |                    |                      |                      |
| Inch threads range         | 28-1 inch(36 kinds)                                          |                    |                      |                      |
| Module threads range       | 0.5-60 DP(27 kinds)                                          |                    |                      |                      |

| Model                          | CW6163E<br>CW6263E           | CW6180E<br>CW6280E | CW61100E<br>CW62100E | CW61120E<br>CW62120E |
|--------------------------------|------------------------------|--------------------|----------------------|----------------------|
| Diametral threads range        | 30-1 t.p.i.(27 kinds)        |                    |                      |                      |
| Longitudinal feeds range       | 0.048-24.3mm/r (72 kinds)    |                    |                      |                      |
| Cross feed range               | 0.024-12.15mm/r (72 kinds)   |                    |                      |                      |
| Rapid feed: long/cross         | 4/2m/min                     |                    |                      |                      |
| Leadscrew size: Diameter/Pitch | T48mm/12mm, T55mm/12mm(>5M ) |                    |                      |                      |
| Cross slide travel             | 8T.P.I. or 3mm               | 8T.P.I. or 3mm     | 8T.P.I. or 3mm       | 8T.P.I. or 3mm       |
| Compound rest travel           | 200mm                        |                    |                      |                      |
| Size of tool shank             | 32*32mm                      |                    |                      |                      |
| Sleeve diameter                | Φ100mm                       |                    | Φ120mm               |                      |
| Sleeve taper                   | Mores 6                      |                    |                      |                      |
| Sleeve travel                  | 240mm                        |                    |                      |                      |
| Main drive motor               | 11kw                         |                    |                      |                      |
| Coolant pump motor             | 0.09kw                       |                    |                      |                      |
| Rapid feed motor               | 1.1kw                        |                    |                      |                      |



### Main features:

The machine tool is mainly to process various rough and fine turning of ferrous metal, nonferrous metal and non-metal work pieces, such as, turning internal and external cylindrical surface, conical surface and other rotary surface; it can turn end face and various commonly-used metric system, British system, modulus, pitch thread and multiple threads.

| Model                       | CWA61100<br>CWA62100               | CWA61125<br>CWA62125 | CWA61140<br>CWA62140 | CWA61160<br>CWA62160 |
|-----------------------------|------------------------------------|----------------------|----------------------|----------------------|
| Max weight of workpiece     | 8T                                 |                      |                      |                      |
| Max swing over cross slide  | 1000mm                             | 1250mm               | 1400mm               | 1600mm               |
| Max swing over cross slide  | 620mm                              | 870mm                | 1000mm               | 1200mm               |
| Max swing over gap          | 1300mm                             | 1550mm               | 1700mm               | 1900mm               |
| Valid length of gap         | 450mm                              |                      |                      |                      |
| Center distance             | 1.5m 2m 3m 4m 5m 6m 8m 10m 12m     |                      |                      |                      |
| Width of bed                | 780mm                              |                      |                      |                      |
| Spindle hole                | Φ130mm                             |                      |                      |                      |
| Spindle nose                | Metric 140#                        |                      |                      |                      |
| Spindle                     | clockwise:21kinds 3.15-315r/min    |                      |                      |                      |
| speeds                      | anticlockwise:12kinds 2.5-250r/min |                      |                      |                      |
| Metric threads range(kinds) | 44kinds 1-120mm                    |                      |                      |                      |
| Inch threads range(kinds)   | 31kinds 1/4-24Tooth/inch           |                      |                      |                      |
| Module threads range(kinds) | 45kinds 0.5-60mm                   |                      |                      |                      |

| Model                           | CWA61100<br>CWA62100   | CWA61125<br>CWA62125 | CWA61140<br>CWA62140 | CWA61160<br>CWA62160 |
|---------------------------------|------------------------|----------------------|----------------------|----------------------|
| Diametral threads range(kinds)  | 38kinds 1/2-56DP       |                      |                      |                      |
| Longitudinal feeds range(kinds) | 56kinds 0.1-12mm       |                      |                      |                      |
| Cross feed range(kinds)         | 50kinds 0.05-6mm       |                      |                      |                      |
| Rapid feed: Long/Cross          | 3400mm/min, 1700mm/min |                      |                      |                      |
| Distance between Center & Tool  | 48mm                   |                      |                      |                      |
| Tool section                    | 45*45mm                |                      |                      |                      |
| Carriage                        | 32*32mm                |                      |                      |                      |
| Cross slide travel              | 650mm                  |                      |                      |                      |
| Compound rest travel            | 280mm                  |                      |                      |                      |
| Sleeve diameter                 | Φ160mm                 |                      |                      |                      |
| Sleeve taper                    | Metric 80#             |                      |                      |                      |
| Sleeve travel                   | 300mm                  |                      |                      |                      |
| Main motor                      | 22kw                   |                      |                      |                      |
| Coolant motor                   | 0.15kw                 |                      |                      |                      |
| Rapid feed motor                | 1.5kw                  |                      |                      |                      |