### Aluminium Profile CNC Machine

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand</td>
<td>Pratic</td>
</tr>
<tr>
<td>STROKE FOR X AXIS</td>
<td>1500 -- 6500 mm</td>
</tr>
<tr>
<td>STROKE FOR Y AXIS</td>
<td>400 mm</td>
</tr>
<tr>
<td>STROKE FOR Z AXIS</td>
<td>350 mm</td>
</tr>
<tr>
<td>SPINDLE SPEED</td>
<td>18000 -- 24000 rpm</td>
</tr>
<tr>
<td>SPINDLE TAPER</td>
<td>BT 30</td>
</tr>
<tr>
<td>TOOL CHARGER FORMAT</td>
<td>Straight plate type tool magazine</td>
</tr>
<tr>
<td>CAPACITY OF TOOL MAGAZINE</td>
<td>10 pcs</td>
</tr>
<tr>
<td>TOOL CHANGE TIME</td>
<td>3 sec</td>
</tr>
<tr>
<td>X MOVING SPEED</td>
<td>60 m/min</td>
</tr>
<tr>
<td>Y/ Z MOVING SPEED</td>
<td>36/ 36 m/min</td>
</tr>
<tr>
<td>X/ Y/ Z MOVING SPEED</td>
<td>15000 mm/min</td>
</tr>
</tbody>
</table>

### Aluminium Working Machine Center

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand</td>
<td>Pratic</td>
</tr>
<tr>
<td>STROKE FOR X AXIS</td>
<td>1500 -- 6500 mm</td>
</tr>
<tr>
<td>STROKE FOR Y AXIS</td>
<td>400 mm</td>
</tr>
<tr>
<td>STROKE FOR Z AXIS</td>
<td>350 mm</td>
</tr>
<tr>
<td>SPINDLE SPEED</td>
<td>18000 -- 24000 rpm</td>
</tr>
<tr>
<td>SPINDLE TAPER</td>
<td>BT 30</td>
</tr>
<tr>
<td>TOOL CHARGER FORMAT</td>
<td>Straight plate type tool magazine</td>
</tr>
<tr>
<td>CAPACITY OF TOOL MAGAZINE</td>
<td>10 pcs</td>
</tr>
<tr>
<td>TOOL CHANGE TIME</td>
<td>3 sec</td>
</tr>
<tr>
<td>X MOVING SPEED</td>
<td>60 m/min</td>
</tr>
<tr>
<td>Y/ Z MOVING SPEED</td>
<td>36/ 36 m/min</td>
</tr>
<tr>
<td>X/ Y/ Z MOVING SPEED</td>
<td>15000 mm/min</td>
</tr>
</tbody>
</table>

### PZ Series- Profile Processing Center Complex

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand</td>
<td>Pratic</td>
</tr>
<tr>
<td>STROKE FOR X AXIS</td>
<td>4500 -- 12000 mm</td>
</tr>
<tr>
<td>STROKE FOR Y AXIS</td>
<td>450 mm</td>
</tr>
<tr>
<td>STROKE FOR Z AXIS</td>
<td>330 mm</td>
</tr>
<tr>
<td>SPINDLE SPEED</td>
<td>10000 rpm</td>
</tr>
<tr>
<td>SPINDLE TAPER</td>
<td>BT 30</td>
</tr>
<tr>
<td>TOOL CHARGER FORMAT</td>
<td>Turret</td>
</tr>
<tr>
<td>PULL STUDS FORMAT</td>
<td>45°</td>
</tr>
<tr>
<td>CAPACITY OF TOOL MAGAZINE</td>
<td>16 pcs</td>
</tr>
<tr>
<td>TOOL CHANGE TIME</td>
<td>2 sec</td>
</tr>
<tr>
<td>X MOVING SPEED</td>
<td>60 m/min</td>
</tr>
<tr>
<td>Y/ Z MOVING SPEED</td>
<td>36/ 36 m/min</td>
</tr>
<tr>
<td>X/ Y/ Z MOVING SPEED</td>
<td>15000 mm/min</td>
</tr>
</tbody>
</table>

### Formwork CNC Machine

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand</td>
<td>Pratic</td>
</tr>
</tbody>
</table>

### Description

Automatic multiple machining center with functions of milling, drilling, tapping, routing, chamfering, applicable for various length of aluminium profile (up to 12 meters), thin steels and PVC.
STROKE FOR X AXIS: 4000 -- 12000 mm
STROKE FOR Y AXIS: 700 mm
STROKE FOR Z AXIS: 450 mm
A STROKE: ± 90°
SPINDLE SPEED: 10000 rpm
SPINDLE TAPER: BT 30
TOOL CHANGER FORMAT: Arm Type
CAPACITY OF TOOLS MAGAZINE: 12 pcs
TOOL CHANGE TIME: 5 sec
X MOVING SPEED: 60 m/min
Y/ Z MOVING SPEED: 36/ 36 m/min
X/ Y/ Z MOVING SPEED: 15000 mm/min

**Description**

The product carries on the advantages of gantry machining center with moving column and beam.

Provide 4th axis degree rotation processing. Humanized single arm design is more convenience for uploading and downloading work pieces.

### Sliding Double Column Machine

**Brand:** Pratic

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>STROKE FOR X AXIS</td>
<td>4500 -- 12000 mm</td>
</tr>
<tr>
<td>STROKE FOR Y AXIS</td>
<td>800 -- 1500 mm</td>
</tr>
<tr>
<td>STROKE FOR Z AXIS</td>
<td>500 -- 700 mm</td>
</tr>
<tr>
<td>STROKE FOR C AXIS</td>
<td>± 213°</td>
</tr>
<tr>
<td>STROKE FOR A AXIS</td>
<td>± 120°</td>
</tr>
<tr>
<td>SPINDLE SPEED</td>
<td>24000 rpm</td>
</tr>
<tr>
<td>SPINDLE TAPER</td>
<td>BT 30</td>
</tr>
<tr>
<td>MOTOR</td>
<td>9 kw</td>
</tr>
</tbody>
</table>

### PY-B Profile Processing Center

**Brand:** Pratic

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>STROKE FOR X AXIS</td>
<td>2500/ 4500/ 6500 mm</td>
</tr>
<tr>
<td>STROKE FOR Y AXIS</td>
<td>480 mm</td>
</tr>
<tr>
<td>STROKE FOR Z AXIS</td>
<td>500 mm</td>
</tr>
<tr>
<td>SPINDLE SPEED</td>
<td>10000 rpm</td>
</tr>
<tr>
<td>SPINDLE TAPER</td>
<td>BT 40</td>
</tr>
<tr>
<td>TOOL CHANGER FORMAT</td>
<td>Arm Type</td>
</tr>
<tr>
<td>PULL STUDS FORMAT</td>
<td>45°</td>
</tr>
<tr>
<td>CAPACITY OF TOOLS MAGAZINE</td>
<td>24 pcs</td>
</tr>
<tr>
<td>TOOL CHANGE TIME</td>
<td>2 sec</td>
</tr>
<tr>
<td>X MOVING SPEED</td>
<td>60 m/min</td>
</tr>
<tr>
<td>Y/ Z MOVING SPEED</td>
<td>36/ 36 m/min</td>
</tr>
<tr>
<td>X/ Y/ Z FEEDING SPEED</td>
<td>15000 mm/min</td>
</tr>
</tbody>
</table>

**Description**

1. Automatic multiple machining center with functions of milling, drilling, tapping, routing, chamfering, applicable for various length of profile, PVC, thin steel etc.
2. Automatic chip conveyor.
3. BT40 spindle guarantee high rigidity.
4. Protection door provide safety and cleanliness.
5. Arm-type tool magazine.
### Multi Mitre Combination Drilling Machine

**Brand:** Tian Chen  
**VOLTAGE:** 380V 50Hz  
**POWER:** 0.75x4KW  
**ROTARY SPEED:** 1400r/min  
**MAX. DIAMETER OF MILLING CUTTER:** 13 mm  
**MAX PROCESS LENGTH:** 5000 mm  
**MAX DISTANCE BETWEEN TWO HOLES:** 300 mm  
**MAX PROFILE DIMENSION:** 250 mm x 250 mm  
**MAX DISTANCE OF HEAD FRONT-BACK MOVING:** 60 mm  
**OVERALL DIMENSION:** 6500 mm x 1300 mm x 1900 mm  
**WEIGHT:** 1500 kg

**Description**

**Equipment Features:**

1. Used for drilling holes on aluminium profiles and curtain wall profiles. Apply to volume-produce.
2. Max processing profile section size is 250x250mm, max processing length is 5000mm.
3. Multi-head boring anchor can be meet multi-holes processing requirement.
4. Feeding system adopts air hydraulic-damping cylinder, which ensured smooth feeding.
5. Imported Schneider PLC control system with steady capability.

---

### Aluminium CNC Cutting Machine

**Brand:** Tian Chen  
**POWER SUPPLY:** 380V / 50Hz  
**CUTTING MOTOR POWER:** 2x2.2 Kw Rotary Speed, 2800 r/min  
**SERVOMOTOR SPEED:** 3x 0.68Kw Rotary Speed, 4050r/min  
**OPERATION AIR PRESSURE:** 0.5-0.8 MPa  
**AIR CONSUMPTION:** 60 L/min  
**BLADE SPECIFICATION:** 500mm x 30 x 4.4Z =120 (Standard Size)  
**CUTTER FEEDING SPEED STEPLESS SPEED REGULATION:** 0-3 m/min  
**CUTTER MOVING SPEED RANGE:** 0-20 m/min  
**CUTTING LENGTH:** Max 6000mm Min 360mm at 90 degree; Max 6000mm Min 760mm at 45 degree  
**CUTTING WIDTH:** 120 mm  
**CUTTING HEIGHT:** 230 mm  
**CUTTING ANGLE:** 45 degree; -157.5 degree; Any angle in the range  
**REPEAT LOCATING LENGTH TOLERANCE:** +/- 0.2 mm  
**CUTTING PROFILE SURFACE PLANE TOLERANCE:** <0.10 mm  
**CUTTING ANGLE TOLERANCE:** +/- 5°  
**CUTTING PROFILE SURFACE ROUGHNESS:** Ra12.5 μM  
**CONTOUR DIMENSION:** 7800mm x1500mm x 2040mm  
**WEIGHT:** 2500 kg

**Description**

**Features:**

Aluminium cutting machine, aluminium machine, aluminium window machinery, window machinery, aluminium window door cutting machine.

1. The machine is the most advanced double-head cutting saw for Aluminium Window & Door  
2. The machine adopts Europe model with neat appearance and good style.  
3. The control system adopts the new closed-loop system.  
4. The directly connected blade adopts Lever-swing cutting type.  
5. The feeding of the blade is driven by air hydraulic damping cylinder, with
smooth cutting.  
6. The imported blade with high precision makes the cutting surface smooth.  
7. The servomotor drives the speed reducer to adjust the cutting angle in 45°~157.5°.  
8. The imported control system can ensure the cutting quality.  
9. Several profile processing dimensions can be input one time and make continuous cutting.  
10. The processing dimension can be directly input; The cutting length can be changed without returning the reference point.  
11. The imported service motor with high moving speed and high precision should drive the sawing head.  
12. The air-proof device under the worktable has wonderful crumbs-clearing effect.  
13. The following saw cover keeps it working in the clean environment.  
14. The stuff follow-up supporter can reduce the machine space.  
15. The profile was clamped by three cylinders in every head, and kept the cutting security.

Aluminium Cutting Machine

Brand: Tian Chen

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>POWER SUPPLY</td>
<td>380V 50Hz</td>
</tr>
<tr>
<td>SAW-HHEAD MOTOR</td>
<td>2×2.2KW 2600r/min</td>
</tr>
<tr>
<td>OPERATION AIR PRESSURE</td>
<td>0.5-0.8MPa</td>
</tr>
<tr>
<td>AIR CONSUMPTION</td>
<td>60L/min</td>
</tr>
<tr>
<td>CUTTING LENGTH</td>
<td>Max 4200mm Min 385mm</td>
</tr>
<tr>
<td>CUTTING WIDTH</td>
<td>Max 135mm</td>
</tr>
<tr>
<td>CUTTING HEIGHT</td>
<td>Max 300mm at 90°; Max 200mm at 45°</td>
</tr>
<tr>
<td>CUTTING ANGEL</td>
<td>90°; 45°; 67.5° (for spare)</td>
</tr>
<tr>
<td>CUTTING SPEED</td>
<td>Stepless speed regulation 0-3m/min</td>
</tr>
<tr>
<td>BLADE SPECIFICATION</td>
<td>500 x 30 x 4.4 x 120</td>
</tr>
<tr>
<td>REPEAT LOCATING LENGTH</td>
<td>+/-0.2mm</td>
</tr>
<tr>
<td>CUTTING ANGEL ALLOWANCE</td>
<td>+/-5°</td>
</tr>
<tr>
<td>CUTTING PROFILE SURFACE PLANE</td>
<td>+/- 0.1m</td>
</tr>
<tr>
<td>CUTTING PROFILE SURFACE ROUGHNESS</td>
<td>Ra12.5uM</td>
</tr>
<tr>
<td>CONTOUR DIMENSION</td>
<td>5500x1750x1950 mm</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>1800 kg</td>
</tr>
</tbody>
</table>

Description

Features:

Aluminium machine, aluminium cutting machines, aluminium CNC machining, aluminium window machinery, aluminium window door cutting machine

1. Used for cutting the profile of aluminium windows and doors, curtain wall and corner connector.  
2. Imported linear guiding pair ensure processing accuracy and steady.  
3. Saw blade rotates smoothly due to high-precise spindle.  
4. Uniform speed feeding and smooth motion are due to air hydraulic damping cylinder.  
5. Middle auto-induction profile supporter make the locating and clamping convenient.  
6. It has features of easy operation, reliable performance, advanced technique and convenient maintenance, etc.  
7. Imported carbide saw blade is of accurate processing and high efficiency.  
8. Two heads can work together or single, when together work, one time can cut off the required length and angle. It is of wide-processing range.

H-Frame Hydraulic Press (SMC Molding)

Brand: Accurl

Description
Additional Functions of H-frame Hydraulic Press:

1. Slide capacity limitation
2. Limitation of working speed for special drawing operations
3. Continuous variation of blank-holder cushion reaction capacity
4. Coining controlled using a timer for special applications that require different work cycles compared to conventional ones.
5. Upper triple action functionality (active and passive)
6. Reversible hydraulic system for top and bottom drawing
7. Independent blank-holder cushion to reduce working time
8. Programmable entry devices

High Speed C-Type Hydraulic Press

<table>
<thead>
<tr>
<th>Brand</th>
<th>Accurl</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>400 -- 6300 kN</td>
</tr>
<tr>
<td>Return Force</td>
<td>69 -- 650 kN</td>
</tr>
<tr>
<td>Max. Hydraulic Pressure</td>
<td>25 -- 26 mm</td>
</tr>
<tr>
<td>Slide Stroke</td>
<td>400 -- 1100 mm</td>
</tr>
<tr>
<td>Throat Depth</td>
<td>280 -- 1500 kN</td>
</tr>
<tr>
<td>Main Motor Power</td>
<td>5.5 -- 22x2 kW</td>
</tr>
<tr>
<td>Weight (Straightening)</td>
<td>2800 -- 51000 kg</td>
</tr>
<tr>
<td>Weight (Pressing)</td>
<td>3000 -- 56000 kg</td>
</tr>
</tbody>
</table>

Description

1. The C-Type High Speed Press is one of the new generation of plate process. C-frame design for large operating spaces – suitable for automatic operations forming, punching, bending, straightening and multi-press assemblies to form automatic production line.
2. Totally European design, Monoblock, Welded steel frame rigid to deflection moment and high tensile with ST44 A1 material.
3. Fully enclosed drive, easily accessible for maintenance, eliminates exposed over hanging parts, slide and bolster tables with T-slots.
4. Uses a variable flow piston pump – offers high pressure resistance, high velocity, durability and low noise.
5. Main cylinder is specially designed for high velocity, motor uses less power, high ascending and descending speed, increased efficiency.
6. Hydraulic pipe system uses integrated circuits – manifold block fits inside the press to reduce piping and oil leaks, easy to maintain, simple and safe. Hydraulic system is from Bosch, Germany.
7. Protective fence and the safety interlock to ensure the operation safety. Have a movable single-hand pedal switch, easy to operate.
8. Front Side Covers with safety switches, Back light safety guards (Category-4), Foot pedal conforming to CE regulation.
9. Guiding device: adopts four cylindrical location guiding to make sure of the steady precision, and it’s easy to test and maintain.
10. Presses operated with automatic one cycle design; two hand push button design for simple and safe operation. Presses which could realize three-operation mode: adjustment, manual and semi-automatic.
11. PLC press control is flexible and safe adjustable proximity switches allows stroke adjustments in seconds.
12. The Machine is with both hands button and foot switch control: anti-tie down, non-repeat controls with ring guards; conforms to OSHA.

Dual control can select to use:

a) Moveable pedestal height for comfort and ease of operation c/w dual
H-frame Hydraulic Press (Deep Drawing)

Brand: Accurl

<table>
<thead>
<tr>
<th>Specification</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>630 x 200 x 2 -- 3150 x 1600 x 2 kN</td>
</tr>
<tr>
<td>Return Force</td>
<td>37 x 2 -- 408 x 2 kN</td>
</tr>
<tr>
<td>Slide Stroke</td>
<td>600 -- 1200 mm</td>
</tr>
<tr>
<td>Max. Shut Height</td>
<td>750 -- 1600 mm</td>
</tr>
<tr>
<td>Hyd. Pad Capacity</td>
<td>400 -- 1000 x 2 kN</td>
</tr>
<tr>
<td>Hyd. Pad Return Force</td>
<td>147 -- 320 x 2 kN</td>
</tr>
<tr>
<td>Hyd. Pad Stroke</td>
<td>200 -- 400 mm</td>
</tr>
<tr>
<td>Bolster (LR x FB)</td>
<td>1000 x 800 -- 3500 x 2000 mm</td>
</tr>
<tr>
<td>Hydraulic Pad (LR x FB)</td>
<td>650 x 650 -- 2920 x 1420 mm</td>
</tr>
<tr>
<td>Outline Size (LR x FB x Above Floor)</td>
<td>2880 x 1650 x 3250 -- 6200 x 3600 x 7200 mm</td>
</tr>
<tr>
<td>Main Motor Power</td>
<td>30 -- 132 kW</td>
</tr>
<tr>
<td>Weight</td>
<td>7500 -- 120000 kg</td>
</tr>
</tbody>
</table>

Description

1. The H-frame hydraulic press is constructed from rigid high strength steel plates that help with precision power pressing during operation.

2. The machine is fitted with a Siemens HMI screen and highly accurate position and pressure sensors.

3. The hydraulic press features a user-friendly interface that allows complete user control for easy system adjustments.

4. It is equipped with a hydraulic servo valve that allows the power press to run at high speeds and protects the system from impact forces.

5. Monitoring software helps keep the sheet metal equipment operating at maximum capacity and helps keep the user and surrounding personnel safe at all times. The digital display shows operating cycle time, pressure setting, ram position, pressure release time, travel speed, travel setting, complete I/O information and safety alarms.

H-frame Hydraulic Press

Brand: Accurl

Description

1. The H-frame press is designed using CE safety specifications. Two locking cylinders move into place when the slide reaches the top of the machine. It is also fitted with light sensors in both the front and rear to automatically shut down if something gets near the working area during operation.

2. Designed using a monoblock rigid welded steel frame that has undergone a special heat treatment. The press body is designed using sophisticated structural analysis and optimization.

3. Pressure and stroke settings can be set for continuous, repetitive operation.

4. The hydraulic press is equipped with an advanced hydraulic system that limits risk of oil leakage, has an anti-vibration function, and has minimal noise output.

5. Highly accurate slide setting involve 8 sided brass guide rails that have

electric palm buttons & extra emergency stop.

b) movable single-hand pedal switch.

Optional touch screen terminals offer:

a) Data storage of mould(s) and manufacturing conditions.

b) Reduced mould replacement time and calibration, fabrication requirements.

c) Programmable memory for working conditions, displays pressure, stroke, spend data, etc; one cycle process sequence.
4-Column Hydraulic Press (SMC Molding)

<table>
<thead>
<tr>
<th>Brand</th>
<th>Accurl</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>630 -- 6300x2+800 kN</td>
</tr>
<tr>
<td>Ejecting Force</td>
<td>190 -- 1600x3 kN</td>
</tr>
<tr>
<td>Return Force</td>
<td>120 -- 850x2+720</td>
</tr>
<tr>
<td>Slide Stroke</td>
<td>500 -- 1600 mm</td>
</tr>
<tr>
<td>Eject Force</td>
<td>200 -- 500 mm</td>
</tr>
<tr>
<td>Max. Shut Height</td>
<td>800 -- 2000 mm</td>
</tr>
<tr>
<td>Bolster (LR x FB)</td>
<td>580 x 500 -- 4600 x 2600 mm</td>
</tr>
<tr>
<td>Outline Size (LR x FB x Above Floor)</td>
<td>2500 x 1430 x 3220 -- 6000 x 3600 x 8000 mm</td>
</tr>
<tr>
<td>Main Motor Power</td>
<td>5.5 -- 3x37</td>
</tr>
<tr>
<td>Weight</td>
<td>2800 -- 250000 kg</td>
</tr>
</tbody>
</table>

**Description**

1. SMC molding press features an independent electrical control system that is reliable and easy to maintain.

2. Optimized design with a 3-beam, 4-column structure. The design has a high performance to price ratio.

3. Reliable independent electrical control, audio-visual interface and convenient maintenance.

4. The cartridge valves used in the hydraulic control system help regulate flow control and keep the system running reliably with less hydraulic shock and fewer release points.

5. The four-column hydraulic press has a centralized semi-automatic control option in addition to hand adjustment to greatly increase production efficiency.

6. Fixed stroke forming process or fixed pressure forming is selected using a control panel, with pressure hold and time delay functions.

7. Operation force, no-load travelling and low-speed movement can be adjusted according to specific requirement.

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**4-Column Hydraulic Press (Double Action Drawing)**

<table>
<thead>
<tr>
<th>Brand</th>
<th>Accurl</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>1500 -- 10300 kN</td>
</tr>
<tr>
<td>Drawing Slide, Drawing Force</td>
<td>1000 -- 6300 kN</td>
</tr>
<tr>
<td>Pressing Slide, Pressing Force</td>
<td>500 -- 4000 kN</td>
</tr>
<tr>
<td>Ejecting Force</td>
<td>190 -- 1250 kN</td>
</tr>
<tr>
<td>Drawing Slide Return Force</td>
<td>165 -- 850 kN</td>
</tr>
<tr>
<td>Pressing Slide Return Force</td>
<td>116 -- 960 kN</td>
</tr>
<tr>
<td>Max. Hydraulic Pressure</td>
<td>25 MPa</td>
</tr>
<tr>
<td>Pressing Slide Center Hole</td>
<td>350 -- 1600x1000 mm</td>
</tr>
<tr>
<td>Max. Drawing Slide Shut Height</td>
<td>900 -- 1800 mm</td>
</tr>
<tr>
<td>Max. Pressing Slide Shut Height</td>
<td>650 -- 1250 mm</td>
</tr>
<tr>
<td>Max. Drawing Slide Stroke</td>
<td>500 -- 900 mm</td>
</tr>
<tr>
<td>Max. Pressing Slide Stroke</td>
<td>500 -- 900 mm</td>
</tr>
<tr>
<td>Ejecting Stroke</td>
<td>200 -- 400 mm</td>
</tr>
<tr>
<td>Drawing Slide (LR x FB)</td>
<td>800 x 800 -- 2500 x 1800 mm</td>
</tr>
<tr>
<td>Pressing Slide (LR x FB)</td>
<td>800 x 800 -- 2500 x 1800 mm</td>
</tr>
<tr>
<td>Bolster (LR x FB)</td>
<td>800 x 800 -- 2500 x 1800 mm</td>
</tr>
<tr>
<td>Outline Size (LR x FB x Above Floor)</td>
<td>2500 x 1430 x 3220 -- 6000 x 3600 x 8000 mm</td>
</tr>
</tbody>
</table>

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6. Mitsubishi PLC and 7/10 inch Taiwan Weinview touch screen interface for easy adjustments and operation.

7. Each of our H-frame hydraulic presses undergoes strict quality control tests and are constructed from carefully selected materials from France, Japan, Germany, USA and Taiwan to ensure the best performance possible.
**Description**

1. The four-column hydraulic press uses 2-way cartridge valves to maintain high control over flow rate.
2. The electrical system of the deep drawing press is PLC controlled for convenient operation.
3. The press is noted for its high speed operation under no-load conditions.
4. This series of four-column hydraulic press is specially designed for a variety of sheet metal drawing functions, such as forming, flanging, bending, and stamping.
5. The double action press works reliable during high speed operation and displays large amounts of power with maximum energy efficiency.

---

### 4-Column Deep Drawing Press

<table>
<thead>
<tr>
<th>Brand</th>
<th>Accurl</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>400 -- 8000 kN</td>
</tr>
<tr>
<td>Return Force</td>
<td>110 -- 1000 kN</td>
</tr>
<tr>
<td>Slide Stroke</td>
<td>400 -- 1050 mm</td>
</tr>
<tr>
<td>Max. Daylight</td>
<td>500 -- 1800 mm</td>
</tr>
<tr>
<td>Cushion Capacity</td>
<td>200 -- 1500x2 kN</td>
</tr>
<tr>
<td>Cushion Stroke</td>
<td>200 -- 400 mm</td>
</tr>
<tr>
<td>Down Speed</td>
<td>7 -- 16 -- 11 -- 22</td>
</tr>
<tr>
<td>Pressing Speed</td>
<td>90 -- 140 mm/s</td>
</tr>
<tr>
<td>Return Speed</td>
<td>Table Size (LR x FB)</td>
</tr>
<tr>
<td>Cushion Stroke</td>
<td>Cushion Size (LR x FB)</td>
</tr>
<tr>
<td>Outline Size (LR x FB x H)</td>
<td>1380 x 850 x 2350 -- 5200 x 2800 x 6450 mm</td>
</tr>
<tr>
<td>Motor Power</td>
<td>4 -- 300 kW</td>
</tr>
<tr>
<td>Weight</td>
<td>2350 -- 72350 kg</td>
</tr>
</tbody>
</table>

---

1. Four column structure enjoys outstanding rigidity. Each press is designed through finite element structural analysis and optimization to assure high strength and rigidity.
2. This sheet metal machinery adopt cartridge valve integrated system characterized by little impact, reliable movement, little leakage and long service life; Enjoy automatic lubrication system for guide rails. (Such technology is introduced from Taiwan.)
3. Four columns are made of high strength alloy steel with hard chromium plated surface featuring good wear-resistance.
4. The main hydraulic and electric parts adopt brand-name components from Japan, France, Germany, and Taiwan, so the machine enjoy high reliable performance.
5. The four-column hydraulic press adopt Mitsubishi PLC + Touch screen (HMI) integrated control. There are 3 operation manners such as adjustable, manual and semi-automatic.
6. Designed with adjustable drawing speed, the four column deep drawing press is applicable for various thickness metalworking and deep drawing.
7. The hydraulic press fully meets CE safety requirements.
8. The slide has fast speed and high productive efficiency.
4-Column Hydraulic Press

Brand: Accurl
Press Capacity: 630 -- 6300x2+8000 kN
Ejecting Force: 190 -- 1600x3 kN
Return Force: 120 -- 850x2+720 kN
Slide Stroke: 500 -- 1600 mm
Ejecting Force: 200 -- 500 mm
Max. Shut Height: 800 -- 2000 mm
Outline Size (LR x FB x Above Floor): 2500 x 1430 x 3220 -- 6000 x 3600 x 8000 mm
Main Motor Power: 5.5 -- 3 x 37 kW
Weight: 2800 -- 25000 kg

Description

1. Adopt advanced Taiwan TWOWAY cartridge valve hydraulic circuit with little fault, minor reversing impact and high reliability.
2. Oil cylinder is made of alloy cast steel with precision grinding, which ensures reliable performance in high pressure condition.
3. Four columns are made of high strength alloy steel with hard chromium plated surface featuring good wear-resistance.
4. The main hydraulic and electric parts adopt brand-name components from Japan, France, Germany and Taiwan, so the machine enjoys high reliable performance.
5. The slide has fast speed and high productive efficiency.
6. Designed with adjustable drawing speed, the machine is applicable for various thickness metalworking and deep drawing.

6 Axes CNC Press Brake

Brand: Accurl
Bending Capacity: 630 -- 4000 kN
Max. Bending Length: 1500 -- 6000 mm
Between Columns: 1100 -- 5050 mm
Max. Shut Height: 430 -- 480 mm
Slide Stroke: 200 -- 320 mm
Throat Depth: 370 -- 400 mm
Bolster Width: 150 -- 250 mm
Down Speed: 80 -- 130 mm/min
Pressing Speed: 8 -- 10 mm/min
Return Speed: 80 -- 125 mm/min
Back Gauge Stroke: 500 mm
Outline Size: 1825 x 1650 x 2600 -- 6400 x 2100 x 3170 mm
Weight: 4600 -- 38000 kg

3 Axes CNC Press Brake

Brand: Accurl
Capacity: 630 -- 4000 kN
Max. Bending Length: 1500 -- 6000 mm
Between Columns: 1100 -- 5050 mm
Max. Shut Height: 430 -- 480 mm
Slide Stroke: 200 -- 320 mm
Throat Depth: 370 -- 400 mm
Bolster Width: 150 -- 250 mm
Down Speed: 80 -- 130 mm/min
Pressing Speed: 8 -- 10 mm/min
Return Speed: 80 -- 125 mm/min
Back Gauge Stroke: 500 mm
Outline Size: 1825 x 1650 x 2600 -- 6400 x 2100 x 3170 mm
Weight: 4600 -- 38000 kg

Description
General Features:

1. Chrome coated cylinders are machined with 0.001mm precision and pistons are specially hardened.
2. Original clamps are user friendly and machined with high precision.
3. Front support arms are slideable along machine length and easy to adjust.
4. Compact and well-known brand Bosch-Rexroth hydraulics are produced according to CE standards.
5. CNC press brake adopt two photocells on sides for rear guard.
7. Optic linear scales are sensitive up to ±0.001mm.
8. Synchronized working cylinders will give you the best bending result with its perfect repeatability ratio.
9. Two axis ultra strong back gauge system (X= 800mm and R), with ±0.001mm repeatability, moves along rails and ball screw, bending length controlled by CNC controller, foldable back gauge fingers for reverse bending applications.
10. Multifunctional and highly programmable, DELEM DA52S CNC controller.
11. The metalworking machinery uses SIEMENS electrical system.
12. Automatic axis referencing when machine is turned on.
13. Side guard is standard meeting CE regulations.

NC Hydraulic Press Brake

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand</td>
<td>Accurl</td>
</tr>
<tr>
<td>Bending Capacity</td>
<td>400 -- 5000 KN</td>
</tr>
<tr>
<td>Bending Length</td>
<td>2000 -- 6000 mm</td>
</tr>
<tr>
<td>Between Column</td>
<td>1650 -- 5000 mm</td>
</tr>
<tr>
<td>Throat Depth</td>
<td>320 -- 400 mm</td>
</tr>
<tr>
<td>Slide Stroke</td>
<td>100 -- 320 mm</td>
</tr>
<tr>
<td>Stroke Adjustment</td>
<td>80 -- 220 mm</td>
</tr>
<tr>
<td>Max. Shut Height</td>
<td>330 -- 630 mm</td>
</tr>
<tr>
<td>SPM</td>
<td>≥2.5 -- ≥11.0 min</td>
</tr>
<tr>
<td>Main Motor Power</td>
<td>4 -- 37 kW</td>
</tr>
<tr>
<td>Net Weight</td>
<td>3000 -- 47600 kg</td>
</tr>
<tr>
<td>Outline Size</td>
<td>2500 x 1900 x 2240 -- 6800 x 2650 x 3900 mm</td>
</tr>
</tbody>
</table>

Description

Main Features:

1. The hydraulic press brake is completely streamlined and meet EU production requirements. The body construction is completed by automated robotic welders and it undergoes a stress relief process with an annealing treatment.
2. The bending brake employs an integrated hydraulic system that is reliable and easy to maintain designed by Bosch-Rexroth in Germany.
3. Work pieces are bent with maximum precision thanks to the sheet metal bending machine's mechanical synchronous mechanism and complex compensatory.
4. The stroke and distance of the metal bender's backgauge is automatically adjusted by the motor and can be adjusted by hand as well. The adjustments are displayed with digital meters.
5. Inch, single, and continuous operation modes are designed for the metal forming machine to be controlled using time relays.
6. A safety barrier and electric inter-locker are designed for the hydraulic press brake to ensure maximum operation safety.
Estun E21s NC Control System for the Hydraulic Press Brake:

1. Monochrome LCD box panel
2. Integral factor freely programmable
3. Automatic positioning control
4. Spindle offset allowance
5. Internal time relay
6. Stock counter
7. Back gauge position display with 0.01mm resolution

CNC Hydraulic Guillotine with Variable Rake

Brand: Accurl
Cut Thickness (Stainless Steel): 6.5 -- 16 mm
Cutting Thickness (Normal Steel): 4 -- 10 mm
Cutting Length: 3050 -- 4050 mm
Cutting Angle: 0.5˚ - 2.0˚
Back Gauge Stroke: 1000 mm
Back Gauge Speed: 200 -- 220 mm/s
Back Gauge Accuracy: ±0.01 mm
Oil Tank: 200 -- 300 L
Weight: 7500 -- 85000 kg
Outline Size: 3888 x 2580 x 2580 -- 9200 x 3250 x 3520

Description

Improved Features:
1. Auto shutdown function for energy saving
2. 10 different language selection
3. Our sheet metal shear can save you working time
4. Wireless communication via PC/ Laptop (optional)
5. Back gauge auto-retraction programming

Hydraulic CNC Shearing Machine

Brand: Accurl
Cut Thickness: 4 -- 12 mm
Cutting Length: 2500 -- 6000 mm
Cutting Angle: 1˚ 30' -- 2˚
SPM: ≥6 -- ≥22 min
Back Gauge: 20-800 mm
Throat Dept: 85 -- 300 mm
Main Motor: 5.5 -- 18.5 kW
Net Weight: 3460 -- 21800 kg
Outline Size: 3100 x 1430 x 1450 -- 6880 x 2260 x 2100 mm

Description

Features of the Hydraulic CNC Shearing Machine:
1. Estun E200S user-friendly controller
2. Durable Steel Blades
3. Front support arm and side gauge
4. Hydraulic gap adjustment
5. Laser guided cutting
6. Angle gauge
7. Easy installation and training
8. Front curtain for finger protection
9. Durable choice for precise cutting operation

**Improved features:**
1. Blade gap and cutting length are automatically adjusted based on material type and thickness
2. Language selection
3. Protected microprocessor
4. Data recorded with internal SRAM memory
5. Up-gradable using flash memory (RS 232)
6. Numerically programmable axis data
7. 16 input and output ports (24-32 options)
8. mm/inch conversion
9. EasyCut page

---

**Hydraulic Guillotine Shear**

**Brand:** Accurl

**Thickness:** 6 -- 16 mm

**Width:** 3200 -- 6000 mm

**Shear Angle:** 0.5° -- 2.5°

**SPM:** ≥6 -- ≥15

**Back Gauge:** 20-600 ~ 20-1000 mm

**Throat Depth:** 100 mm

**Main Motor:** 7.5 -- 30 kW

**Net Weight:** 6200 -- 75500 kg

**Outline Size:** 3740 x 1680 x 1750 -- 9000 x 3280 x 3270 mm

**Description**

**Main Features:**


2. The cutting beam of hydraulic guillotine shear has been designed in inner-inclined structure with adjustable cutting angle and blade gap. Rapid and precise blade clearance adjustment by single handle on the side frame.

3. The upper beam is able to move on the linear guide under the push of cylinder, to realize the shearing action.

4. Standard subsection blade with 4 cutting edges, quality high-carbon high-chrome blades D2 quality.

5. This guillotine shearing machine adopt integrated hydraulic system, more reliable and easy for maintenance.

6. This sheet metal cutting equipment adopts three point supporting type rolling guideway to raise shearing precision.

7. CE conformity including tiltable fornt finger guard and optical rear safety guard.

8. High quality shear blades, service kit, colours are light/dark grey and yellow.

**Standard Equipment:**

1. Rapid and precise blade clearance adjustment by handwheel on the side frame.
2. Multi Edge Blades for cutting Aluminium, Mild Steel and Stainless Steel
3. Cutting Line Illumination and wire for shadow line cutting
4. Counter of Strokes, Cutting Length Adjustment
5. The sheet metal shear uses hydraulic and electrical overload protection
6. Squaring Arm and Front Support Arms
7. Bed infill plates with ball transfers
8. Adjustable sound angle & blade gap
9. The hydraulic guillotine shear adopt Delta inverter with ball screw and polished rod with 0.01 mm accuracy.

Estun E21s NC Control system:
1. Monochrome LCD Box Panel.
2. Integral factor programmable freely
3. Automatic positioning control
4. Spindle allowance offset
5. Internal time relay
6. Stock counter
7. Backgauge position display, resolution in 0.01mm

---

### Hydraulic Swing Beam Shear

<table>
<thead>
<tr>
<th>Brand</th>
<th>Accurl</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>4 -- 32 mm</td>
</tr>
<tr>
<td>Width</td>
<td>2500 -- 6000 mm</td>
</tr>
<tr>
<td>Shear Angle</td>
<td>1˚ 30’ -- 3˚ 30’</td>
</tr>
<tr>
<td>SPM</td>
<td>≥ 4 -- ≥ 22 min</td>
</tr>
<tr>
<td>Back Gauge</td>
<td>20 -- 1500 mm</td>
</tr>
<tr>
<td>Throat Depth</td>
<td>85 -- 325 mm</td>
</tr>
<tr>
<td>Main Motor</td>
<td>5.5 -- 55 kW</td>
</tr>
<tr>
<td>Net Weight</td>
<td>3460 -- 51000 kg</td>
</tr>
<tr>
<td>Outline Size (L x W x H)</td>
<td>3100 x 1430 x 1450 -- 7100 x 3500 x 3050 mm</td>
</tr>
</tbody>
</table>

**Description**

**Main Features:**

1. The hydraulic swing beam shear is completely streamlined and meets EU production requirements. The body construction is completed by automated robotic welders and it undergoes a stress relief process with an annealing treatment.
2. The QC12Y series hydraulic shearing machines are produced with a variety of cutting lengths and capacity options.
3. Equipped with a lighting-alignment function, the sheet metal cutting equipment can be quickly and easily adjusted to right cutting angle. The stroke of the knife beam is adjusted in step-less mode.
4. The integrated hydraulic system leads to more reliable operation and easy maintenance. The hydraulic system is designed by Bosch-Rexroth in Germany.
5. The cutting blade is hydraulic swing beam shear conforms to CE standards including the tiltable front finger guard and optical rear safety guard.

**Standard Equipment:**

1. Rapid and precise blade clearance adjustment by single handle on the side frame
2. Multi Edge Blades for cutting Aluminium, Mild Steel and Stainless Steel
3. Cutting Line Illumination and wire for shadow line cutting
4. Counter of Strokes, Cutting Length Adjustment
5. Hydraulic and Electrical overload protection
6. Squaring Arm and Front Support Arms
7. Bed infill plates with ball transfers
8. Delta inverter with ball screw and polished rod with 0.01 mm accuracy.

**Better Cuttings:**

1. Backgauge adjustment according to blade gap.
2. Backgauge retraction feature.
3. Sub-program and programming loop.
4. Sequence repeat function.
5. Auto cutting (Flying cut).

---

**High Speed Drilling Tapping and Milling Machine**

Brand: Pratic

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Table Size</td>
<td>420x700 mm</td>
</tr>
<tr>
<td>X/Y/Z Travel</td>
<td>600/400/450 mm</td>
</tr>
<tr>
<td>Distance between Spindle End and Table</td>
<td>120-570 mm</td>
</tr>
<tr>
<td>Distance between Spindle Center and Column</td>
<td>505 mm</td>
</tr>
<tr>
<td>Maximum weight of working table</td>
<td>300 Kg</td>
</tr>
<tr>
<td>X/Y/Z Axis Rapid Feed</td>
<td>48 m/min</td>
</tr>
<tr>
<td>Three Axis Working Rapid Speed</td>
<td>10000 mm/min</td>
</tr>
<tr>
<td>Positioning Accuracy</td>
<td>±0.005/300</td>
</tr>
<tr>
<td>Repeat Positioning Accuracy</td>
<td>±0.003</td>
</tr>
<tr>
<td>Spindle Speed</td>
<td>10000 rpm</td>
</tr>
<tr>
<td>Spindle Taper</td>
<td>BT30</td>
</tr>
<tr>
<td>Arm Type Tools System</td>
<td>20T</td>
</tr>
</tbody>
</table>

**Description**

Rapid, simple, reliable and long life of cutter switching device, tool exchange provide stable and reliable. Unique tool switching device design, the advanced CAM drive-Echanism, cutter selection ability.

CAM driven knife library can ensure accuracy of rotation, when using heavy tools can smooth running.

---

**Engraving Machine**

Brand: Pratic

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stroke for X Axis</td>
<td>500 mm</td>
</tr>
<tr>
<td>Stroke for Y Axis</td>
<td>600 mm</td>
</tr>
<tr>
<td>Stroke for Z Axis</td>
<td>250 mm</td>
</tr>
<tr>
<td>Distance from Spindle Nose to Working Table</td>
<td>80-330 mm</td>
</tr>
<tr>
<td>Working Table Size</td>
<td>620x520 mm</td>
</tr>
<tr>
<td>Spindle Speed</td>
<td>24000 rpm</td>
</tr>
<tr>
<td>Spindle Tapper</td>
<td>ER 20</td>
</tr>
<tr>
<td>Moving Speed</td>
<td>15 m/min</td>
</tr>
<tr>
<td>Feeding Speed</td>
<td>12 m/min</td>
</tr>
</tbody>
</table>

**Description**

It is gantry symmetrical structure and with little thermal deformation. The cast iron is made in shape of high tensile radian, resin sand.

Features consist of vibration proof, strong rigidity and stability, rapid processing, high precision. Due to its crossbeam guide rail uses ladder type, the gravity of Z Axis is much more outstanding, the spindle moves steadily. Besides, we can also use natural marble as lathe.

It is mainly used to engrave different kinds of complicated metal molds, electrodes, hardware, shoesmolds, injection mould and handicrafts.
### CNC Drilling and Tapping Machine

<table>
<thead>
<tr>
<th>Specification</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand</td>
<td>Pratic</td>
</tr>
<tr>
<td>Working Table Size</td>
<td>420x800 mm</td>
</tr>
<tr>
<td>X/Y/Travel</td>
<td>650/400/480 mm</td>
</tr>
<tr>
<td>Distance Between Spindle End and Table</td>
<td>80-560 mm</td>
</tr>
<tr>
<td>Distance Between Spindle Center and Column Guide Way</td>
<td>480 mm</td>
</tr>
<tr>
<td>X/Y/Z Axis Rapid Feed</td>
<td>12 m/min</td>
</tr>
<tr>
<td>Three Axis Working Rapid Speed</td>
<td>8000 mm/min</td>
</tr>
<tr>
<td>X/Y/Z Axis Screw Mandrel Size</td>
<td>3206 mm</td>
</tr>
<tr>
<td>Spindle Speed</td>
<td>8000 rpm</td>
</tr>
<tr>
<td>Spindle Taper</td>
<td>BT40</td>
</tr>
<tr>
<td>Torque Force of Spindle Motor</td>
<td>5.5 kw/7.5 HP</td>
</tr>
</tbody>
</table>

### Vertical Machining Center

<table>
<thead>
<tr>
<th>Specification</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brand</td>
<td>Pratic</td>
</tr>
<tr>
<td>Working Table Size</td>
<td>600x400 mm</td>
</tr>
</tbody>
</table>

---

15 of 22
**Angle Line Machine**

**Brand**

Tian Chen

**Angle Bar Size**

140 x 140 x 10 - 250 x 250 x 32 mm

**Marking Force**

1030 kN

**Max. Length of Raw Material**

14 m

**Character Size**

14 x 10 x 19 mm

**Max. Number of CNC Axis**

3

**Max. Stroke of Drilling Spindle**

105 mm

**Max. RPM of the Spindle**

560 r/min

**Motor Total Power**

0 - 40 m/min

**Overall Dimension**

29000 x 8900 x 2500 mm

**Description**

This angle line machine is the automatic CNC machine for drilling and making angel bars for power transmission tower and tele-communication steel tower. It consists of in-feeding conveyor, transverse conveyor, main machine body, finished angle bar out-feeding conveyor, hydraulic system, pneumatic system and electric control system.

---

**H-Beams Drilling Machine**

**Brand**

Tian Chen

**Max. Width**

300 mm

**Max. Height**

300 mm

**Min. Length of Auto Infeeding**

1500 mm

**Max. Length**

12 m

**Spindle Motor Power**

5.5 kW

**Number of Spindle Speed**

9

**Each Spindle RPM Range**

180 - 560 r/min

**Drilling Diameter Range**

0.12 - 0.30 mm

**X Axis Max. Speed**

40 m/min

**Y Axis**

10 m/min

**Z,W Axes Max. Speed**

10 m/min

**Description**

This machine is mainly used for drilling holes on H-beams / I beams, channel beams, square steel tubs, rectangular steel tubes. This machine adopts 9 spindle to drilling holes at 3 different surfaces, each surface has 3 spindles and cen install 3 sizes of drill bit. It has high processing efficiency and accuracy, convenient to operate and wide applicability, widely used in buildings, bridge, grid rack and etc.
Steel Plate Machine

Brand: Tian Chen
PUNCHING SIZE: 1500x775 mm
DRILLING SIZE: 1200x775 mm
MAX PUNCHING DIAMETER: ∅ 25.5
DRILLING DIAMETER RANGE: ∅12-∅50
MAX. DRILLING THICKNESS: 35 mm
MIN. HOLE EDGE DISTANCE: 25 mm
MAX. PUNCHING FORCE: 950 kN
MAX. MARKING FORCE: 800 kN
CHARACTER SIZE: 14x10x19
SPEED OF X/Y AXIS: 12 m/min
MOTOR TOTAL POWER: 26 kW

Description

1. Mainly used for CNC Punching and drilling the connecting plates for steel tower or for automatic parking system.

2. There are four working stations including two punching stations, one marking station and one drilling station. It can shift working stations automatically.

Steel Plate Drilling Machine

Brand: Tian Chen
MAX WORK PIECE SIZE: 2000x1600x100 mm
SPINDLE TYPE: Quick change chuck
MAX DRILLING DIAMETER: ∅ 50 mm
SPINDLE ROTATION SPEED: 120-560 r/min
SPINDLE MOTOR POWER: 5.5 kW
SPINDLE STROKE: 180 mm
WORKING PRESSURE: 6 MPa
HYDRAULIC PUMP MOTOR POWER: 2.2 kW
STROKE FOR X AXIS: 2000 mm
X AXIS MOVING SPEED: 10 m/min
STROKE FOR Y AXIS: 1600 mm
Y AXIS MOVING SPEED: 10 m/min

Description

1. This machine is mainly used for drilling plates for buildings, bridges, steel towers and other steel structures. It also can be used for drilling tube plates, baffles and circular flanges for boiler and petrochemical industries. It has high efficiency and high precision.

2. This machine mainly consists of worktable, gantry, hydraulic in-feeding drilling spindle, hydraulic system, NC system, and cooling and chip removal system.

CNC Gantry Movable Plate Drilling Machine

Brand: Tian Chen
NUMBER OF CNC AXIS: 2
MAX. WORK PIECE OF THICKNESS: 100 mm
MAX. SIZE OF WORK PIECE: 3000x1600 mm
MAX. DRILLING DIAMETER: ∅ 50
MAIN SPINDLE STROKE: 180 mm
ROTATION SPEED: 120-560 (r/min)
FEEDING SPEED: 20-200 (mm/min)
CLAMP NUMBER: 12
CLAMP PRESSURE: 7.5 kN
MOTOR POWER: 11 kW
WEIGHT: 7500 kg
Band Sawing Machine

Brand: Tian Chen

ROUND STEEL: 660
SQUARE STEEL: 630x630
H-BEAN: 1250x600
SAW BLADE LINEAR SPEED: 20-80 (Stepless)
TABLE HEIGHT: 800 mm
FEEDING SPEED: Stepless feeding
ROTATION ANGEL: 0°~45°

Host Motor Power: 11 kW
Hydraulic Motor Power: 2.25 kW
Motor Power for Cooling Pump: 0.16 kW
Motor Power for Rotation Power: 0.06 kW
Total Motor Power: 12 kW

Description

Used for the sawing of H-beams, box beams, channel steel, angle steel and round steel of steel structure, bridge, three dimensional garages and petrol platform industries.

Machine Features:
- Double column design equipped with strong lathe bed, with fine function of absorbing vibration during high speed sawing.
- Can rotate itself and no need to rotate for longer work piece when beveling for 0°~45°, can keep the continuity of production.
- Saw blade hydraulic automatic tensioning device, keep saw blade stable during high speed rotation and can extend life of saw blade.
- Small aperture, high precision, and greatly reduce material consumption.
- Laser alignment function and advanced and retreated structure slightly adjusted with hand, convenient for cutting accurately.
- Automatic coolant compatible with blade could make blade lubricant and reduce the temperature of blade.
- There are three holding clamping arms at left, middle and right side respectively to hold the workpiece and to guide the blade, which can avoid the situation of blade blocked inside when high-speed sawing.
- PLC control, hydraulic stepless feeding.

Steel Angel Machine

Brand: Tian Chen

ANGEL SIZE: 63 x 63 x 4~200 x 200x20 (mm)
MAX PUNCHING DIAMETER: 26 x 20
MAX PUNCHING FORCE: 950 kN
NO. OF CHARACTER GROUP: 4
DIMENSION OF CHARACTER (L * W * H * QTY): 16x10x19x12 (mm)
MAX MARKING FORCE: 1030 kN
SHEARING MODE: Single Blade Cutting
MAX SHEARING FORCE: 4340 kN
NO. OF CNC AXES: 3
TOTAL POWER: 33.4 KW
OVERALL SIZE: 39000 x 7000 x 2600 mm

Description

This angle line machine is an automatic CNC machine for drilling, punching, and marking angle bars for Power Transmission Tower and telecommunication steels towers.
It consists of in-feeding and out-feeding conveyor, traverse conveyor, hydraulic, pneumatic and electrical control system.

Laser Cutting Machine
YAG Laser Cutting Machine

Brand: Bai Shen Laser
CUTTING AREA: 2500x1300 mm
CUTTING SPEED: 18000 mm/min
LASER TYPE: CO2 sealed glass, wavelength 10.3 um
POWER ADJUSTMENT: 0-100% stepless control, 0-100% adjustable in software
CONTROL AND DRIVING: high speed DSP control, imported Japan Panasonic servo motor
RESOLUTION RATIO: ≤±0.25 mm
RESSETING POSITIONING ACCURACY: ≤±0.01 mm
CONSUMING POWER: ≤2000 W
POWER SUPPLY: 220 V±10%, 50 Hz/60 Hz
OPERATING HUMIDITY: 0-45℃, 5%-95% (free of condensed water)
DIMENSION: 3750x2050x1350 mm
WEIGHT: 750 KG

Fiber Laser Cutting Machine

Brand: Bai Shen Laser
X axis: 3000 mm
Y axis: 1500 mm
Z axis: 120 mm
Laser type: Fiber laser
Laser power: 300W/500W/1000W
Cutting size: 3000x1500 mm
Orientation accuracy: ≤±0.03 mm
Double Crank Precision Machine

- **Brand**: Aomate
- **Capacity**: 800 Tons
- **Rated Tonnage Point**: 13 / 9 (mm)
- **Stroke Length**: 350 / 300 (mm)
- **Stroke per Minute**: 10-20 / 15-25 (s.p.m)
- **Die Height**: 900 / 800 (mm)
- **Maximum Counterbalancer Capacity**: 6000 Kg
- **Slide Adjustment**: 250 (mm)
- **Slide Area**: 5000x1600 (mm)
- **Bolster Area**: 5000x1600 (mm)
- **Frame Structure**: Tie Rod Type

Closed Type Double Crank Precision Press Machine

- **Brand**: Aomate
- **Capacity**: 400 Ton
- **Rated Tonnage Point**: 7 (mm)
- **Stroke**: 300 (mm)
- **Stroke per Minute**: 20-30 / 20-40 (s.p.m)
- **Die Height**: 550 (mm)
- **Slide Adjustment**: 120 (mm)
- **Slide Area**: 2900x1000 / 2400x1000 (mm)
- **Bolster Area**: 3200x1100 / 2700x1100 (mm)
- **Side Opening**: 900x600 (mm)
- **Presses Dimension**: 3129x3800x5257 (mm)
### Double Crank Precision Press Machine

<table>
<thead>
<tr>
<th>Brand</th>
<th>Aomate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>160 Ton</td>
</tr>
<tr>
<td>Rated Tonnage Point</td>
<td>6 / 3 (mm)</td>
</tr>
<tr>
<td>Stable Speed</td>
<td>30-55 / 40-85 (mm)</td>
</tr>
<tr>
<td>Stroke</td>
<td>200 / 130 (mm)</td>
</tr>
<tr>
<td>Die Height</td>
<td>450 / 485 (mm)</td>
</tr>
<tr>
<td>Slide Adjustment</td>
<td>100 (mm)</td>
</tr>
<tr>
<td>Bolster Area</td>
<td>2000x760x150 (mm)</td>
</tr>
<tr>
<td>Slide Area</td>
<td>1600x550x70 (mm)</td>
</tr>
<tr>
<td>Presses Dimension</td>
<td>1940x2200x3709 (mm)</td>
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</tbody>
</table>

### Precision Press Machine

<table>
<thead>
<tr>
<th>Brand</th>
<th>Aomate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>200 Ton</td>
</tr>
<tr>
<td>Rated Tonnage Point</td>
<td>6 / 3 (mm)</td>
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<tr>
<td>Stable Speed</td>
<td>35 s.p.m</td>
</tr>
<tr>
<td>Speed Changing</td>
<td>20-50 / 50-70 s.p.m</td>
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<tr>
<td>Stroke</td>
<td>200 / 100 (mm)</td>
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<tr>
<td>Die Height</td>
<td>460 / 510 (mm)</td>
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<tr>
<td>Slide Adjustment</td>
<td>110 (mm)</td>
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<tr>
<td>Slide Area</td>
<td>850x630x90 (mm)</td>
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<tr>
<td>Bolster Area</td>
<td>1400x820x160 (mm)</td>
</tr>
<tr>
<td>Presses Dimension</td>
<td>2615x1690x4075 (mm)</td>
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</tbody>
</table>