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# HIGH EFFICIENCY CNC BENDING MACHINE 高效率数控折弯机 制造商



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Our Experience, Your Success



## 360 DEGREE SOLUTION FOR YOUR PROJECTS

致力于为客户提供完整的钣金机械解决方案

三协凭借自身丰富的工业机械从业经验和先进的设计理念  
致力于为全球客户提供全套的钣金机械解决方案  
配合客户升级、再增值。



## ABOUT US

关于我们

华盟科技专业生产钣金加工机械的制造商，位于南京市溧水区明觉工业园。我们专注于生产数控折弯机、数控剪板机、数控制槽机等钣金成型加工设备及相关数控系统的研发。

在 2011 年，我们作为进口和国产品牌设备代理商涉足行业，随后添置了大型加工设备，提供机架焊接及加工业务进入钣金设备集成领域。2017 年，我们增加了数控系统和液压系统的研发销售业务，并自主研发出电液折弯机控制系统，打破了过度依赖国外系统的局面，提升了性能、功能和性价比。凭借多年的经验和资源，我们自主生产整机，追求效率和精度，得到了用户的一致好评，更坚定了我们扎实做好产品的决心。我们还不断致力于为钣金加工行业带来更多创新产品。在华盟科技，我们始终坚持追求卓越的质量，这是我们一切工作的基石。我们不仅专注于现有产品的优化与升级，还不断追求效率和精度的极致，打造出一系列高品质的产品。至今投入市场使用的设备已获得了广大用户的一致好评，这充分证明了我们的实力和信誉。

我们相信一个品牌的成功并非偶然，而在于其产品力的强大。我们凭借多年来深耕行业所积累的经验 and 资源，打造出一系列高品质的产品，这让我们在市场上获得了成功。我们承诺将继续努力，用创新和高质量的产品来满足不断增长的市场需求。

Huameng-CAMT is a manufacturer specializing in the production of sheet metal processing machinery, is located in Mingjue Industrial Park, Lishui District, Nanjing. We focus on the production of sheet metal forming and processing equipment such as CNC bending machines, CNC shearing machines, CNC slotting machines, and the research and development of related CNC systems.

In 2011, we entered the industry as an agent for imported and domestic brand equipment, and then added large-scale processing equipment to provide frame welding and processing services to enter the field of sheet metal equipment integration.

In 2017, we added the research and development and sales business of CNC systems and hydraulic systems, and independently developed an electro-hydraulic bending machine control system, breaking the situation of over-reliance on foreign systems and improving performance, functions and cost-effectiveness. With years of experience and resources, we independently produce complete machines, pursue efficiency and precision, and have received unanimous praise from users, which has strengthened our determination to make solid products.

We are also constantly committed to bringing more innovative products to the sheet metal processing industry. At Huameng company, we always adhere to the pursuit of excellent quality, which is the cornerstone of all our work. We not only focus on the optimization and upgrading of existing products, but also continue to pursue the ultimate efficiency and precision to create a series of high-quality products. The equipment put into use in the market has won unanimous praise from users, which fully proves our strength and reputation.

We believe that the success of a brand is not accidental, but lies in the strength of its products. With the experience and resources accumulated over the years in the industry, we have created a series of high-quality products, which has made us successful in the market. We promise to continue to work hard to meet the growing market demand with innovative and high-quality products.

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CONTENT



## Processing Equipment 加工设备

CAMT brand continuously advances technology and intelligence. Strict quality inspections are conducted according to European standards to ensure the perfect delivery of every piece of equipment. With strong core competitiveness, it provides high-quality sheet metal processing equipment for China's metal manufacturing industry.

Precision Workmanship • Standardized Production

Excellent equipment and specialized manufacturing provide a strong guarantee for the scale growth and quality assurance of Sankyo's new products. Sankyo currently has multiple professional product installation and test workshops and precision parts processing workshops, equipped with several key pieces of equipment such as CNC gantry milling machines, large CNC boring machines, and CNC horizontal machining centers.

Quality First • Continuous Improvement

Quality is the "life" of a product. While expanding, the enterprise must also "refine and strengthen" itself. Takato Heavy Industry is not satisfied with specific control indicators for product quality, adhering to the belief that "there is no best, only better," striving for excellence in every product.



The **CAMT** brand is a guarantee of quality and integrity

➔ 品牌是质量和诚信的保证

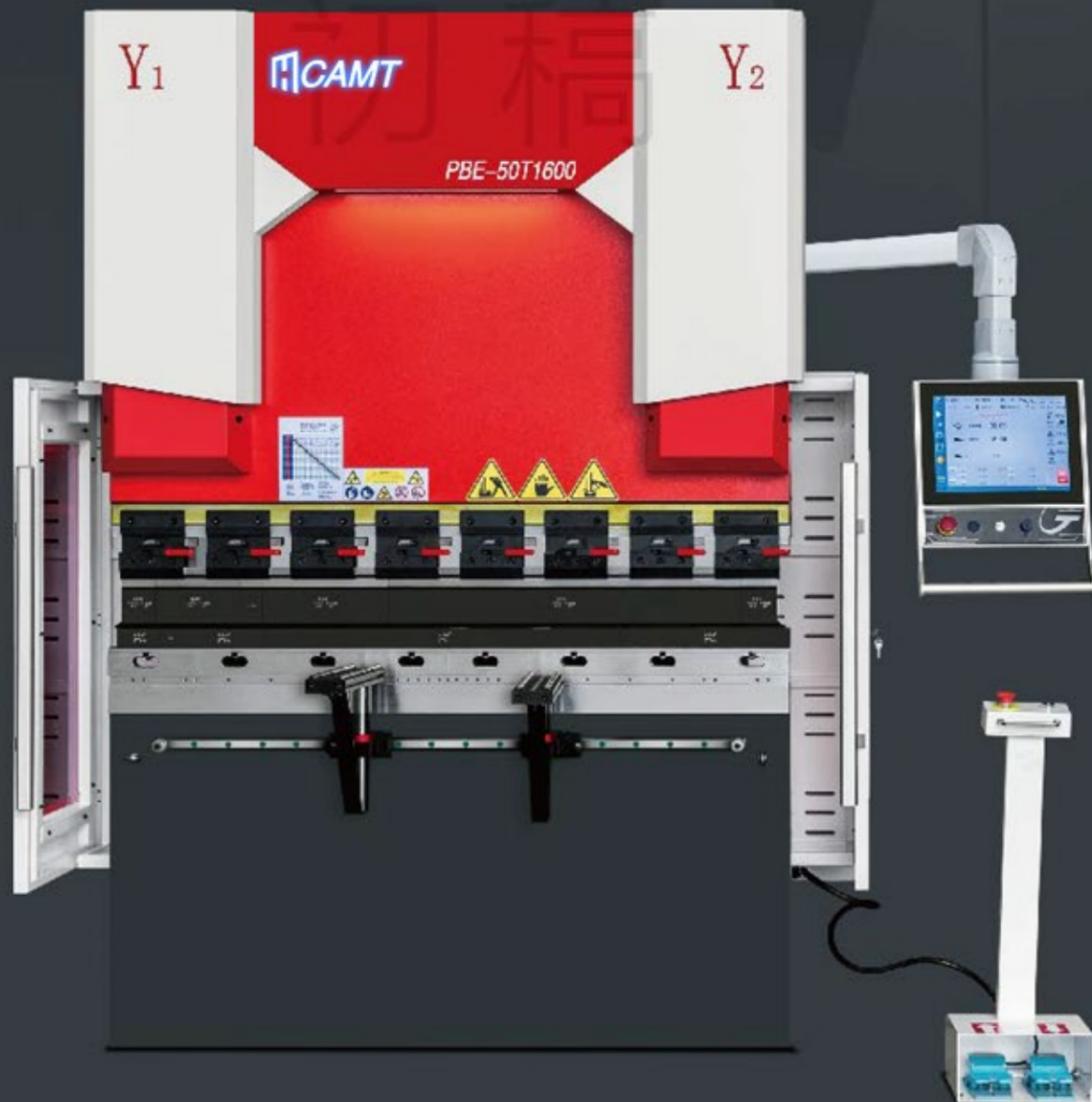
Processing Equipment

# PBE SERIES

## Hybrid Electric CNC Press Brake

### 油电混合数控折弯机

- 通过双伺服油电混合系统，左右油缸各一组伺服电机及伺服泵控制
- Through the dual servo oil-electric hybrid system, a group of servo motors and servo pumps are controlled for the left and right oil cylinders respectively



节能  
Energy Saving

环保  
Environment Protection

高效  
Efficient

低噪  
Low Noise

油量少  
Low Fuel

#### 性能特点

- 更精准的压力、位置及同步控制，系统重复精度达 5 $\mu$ m
- 更快速的工作性能
- 闭式液压系统，油箱容积减小了 75%
- 高稳定性和长久使用寿命的液压系统
- 高效节能，实现按需供能，显著降低电费支出
- 有效降低系统工作时噪音，待机时电机无转动，几乎无噪声

#### Feature

- More accurate pressure, position and synchronous control, and the repetition accuracy of the system is up to 5  $\mu$  m
- Faster performance
- Closed hydraulic system, tank volume reduced by 75%
- Hydraulic system with high stability and long service life
- High efficiency and energy saving, realize energy supply on demand, and significantly reduce electricity expenditure
- Effectively reduce the noise of the system during operation, and the motor has no rotation and almost no noise during standby.

### CNC Press Brake

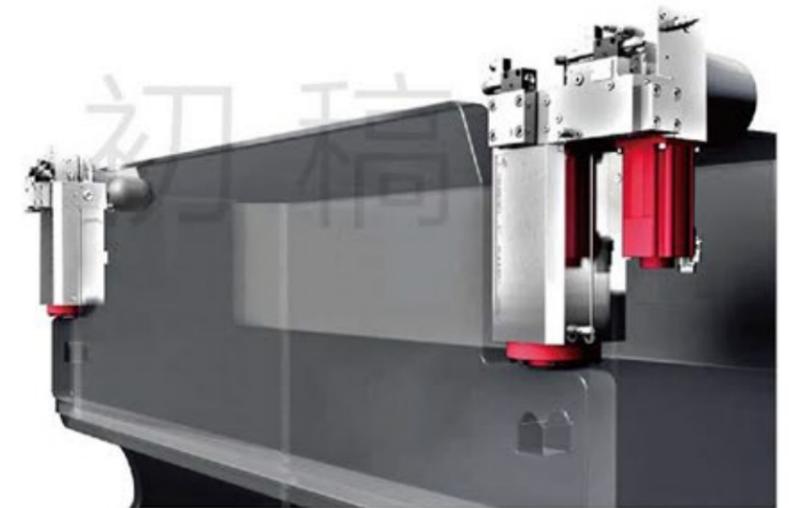
#### 新一代油电混合驱动系统

搭载德国APAX原装进口控制系统，具有创新的伺服驱动系统，两套独立的液压控制单元，无外部管路连接。响应速度更快、定位精度更高、稳定性更好。

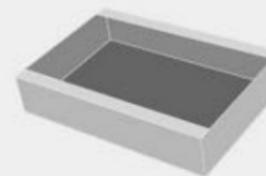
30%  
效率 (提高30%)  
Efficiency

70%  
油量 (降低70%)  
Oil Consumption

70%  
能耗 (降低70%)  
Electricity Consumption



#### 时间周期比较 Time Cycle Comparison



实现这个 6 弯曲盒所需的弯曲时间 - 仅机器时间。  
Bending time necessary to realize this 6-bend box - only machine time.



100t Hydraulic  
75 mm/s



100t Hydraulic Servo  
110 mm/s



EP-Servo  
200 mm/s

# PBC SERIES

## Servo Main Motor CNC Press Brake

### 主伺服数控折弯机

- 主电机为高性能伺服电机，运用单伺服泵控技术，是高性价比的环保化、节能化的解决方案
- The main motor is a high-performance servo motor. Using single servo pump control technology, it is a cost-effective, environmentally friendly and energy-saving solution



节能  
Energy Saving



环保  
Environment Protection



高效  
Efficient



低噪  
Low Noise

#### 性能特点

- 主电机标配伺服电机，实现按需供能，显著降低电费支出
- 伺服泵系统仅在需要时才旋转，噪音综合下降 30%
- 采用扭矩限制和模拟量速度的控制方式，消除阀的截流与溢流，大幅降低油液温度
- 延长使用寿命，降低维护成本

#### Feature

- The main motor is equipped with servo motor as standard to realize energy supply on demand and significantly reduce electricity expenditure
- The servo pump system only rotates when needed, and the comprehensive noise is reduced by 30%
- The control mode of torque limit and analog speed is adopted to eliminate the closure and overflow of the valve and greatly reduce the oil temperature
- Extend service life and reduce maintenance costs

### CNC Press Brake

#### 高性价比节能型混合驱动系统

体积更小，安装结构简单，节能节油。  
采用伺服电机驱动，噪音更低，效率更高。  
配置力士乐阀和力士乐油泵，稳定可靠，使用更长久。  
对油液清洁度由NS7级下降到NS9级，产品故障率更低。  
消除了比例阀截流和压力阀溢流，热平衡温度低，液压油用量相比传统机床减少60%。

Smaller size, simple installation structure, energy saving and fuel saving.  
Servo motor drive, lower noise, higher efficiency.  
Standard with Rexroth valve and Rexroth oil pump, stable and reliable, longer use.  
The cleanliness of the oil is reduced from NS7 to NS9, and the product failure rate is lower.  
The proportional valve closure and pressure valve overflow are eliminated, the heat balance temperature is low, and the hydraulic oil consumption is reduced by 60% compared with traditional machine tools.



ESVP节能系统  
ESVP Energy Saving System

#### SVP节能系统 SVP Energy Saving System



节约电能：伺服泵系统是按需供油，大大提高了节能效果。  
降低噪音：伺服泵系统仅在需要时才旋转，噪音综合下降30%。  
降低油温：采用扭矩限制和模拟量速度的控制方式，消除阀的截流与溢流，大幅降低油液温度。

Energy saving: The servo pump system is an on-demand oil supply, which greatly improves the energy effect.

Noise reduction: The servo pump system rotates only when needed, reducing noise by 30%.

Reduce the oil temperature: Torque limit and analog speed control mode, eliminate the valve bud interception and overflow, greatly reduce the oil temperature.

# PBA SERIES

## Electro-hydraulic Synchronized CNC Press Brake

### 电液同步数控折弯机

- 由数控系统、安装在工作台上的两个磁栅尺 (Y1、Y2)、电液比例阀及阀用电子放大器组成控制系统，准确地检测和控制了滑块与工作台的相对位置，控制滑块运行的速度与位置。使滑块保持同步运行，保证了折弯深度和折弯角度，同步精度高。

初稿



节能  
Energy Saving



环保  
Environment Protection



高效  
Efficient



低噪  
Low Noise



#### 性能特点

- 进口配置，稳定可靠
- 板厚、料足的高强度机架
- 高精度的后挡料系统
- 标配 4+1 轴数控 (Y1,Y2,X,R+V)
- 工作台自动机械挠度补偿闭环控制
- 喉口变形补偿机构

#### Feature

- Imported configuration, stable and reliable
- High strength frame with thick plate and sufficient material
- High-precision back gauge system
- Standard 4 + 1 axis NC (Y1, Y2, X, R + V)
- Closed loop control of automatic mechanical deflection compensation for worktable
- Throat deformation compensation mechanism

### CNC Press Brake 高性能的液压系统

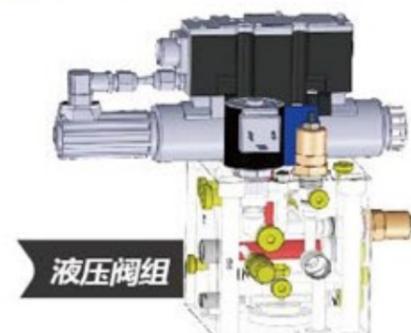
高性能伺服阀系统：德国REXROTH/HAWE  
全闭环同步控制，机床运行高速平稳。

High Performance Servo Valve System:  
REXROTH/HAWE, Germany  
Full closed-loop synchronous control,  
high-speed and stable operation  
of the machine tool.



Rexroth  
Bosch Group

HAWE  
HYDRAULIK



#### 主电机 Main Motor

折弯机采用世界著名品牌电机，不仅在机器工作时噪音低，而且使用寿命长。

Appropriate press brake can be used for various bending processes. It can accurately and economically process various specifications of parts, which is simple and complicated.

# Rich Configuration Flexible Match

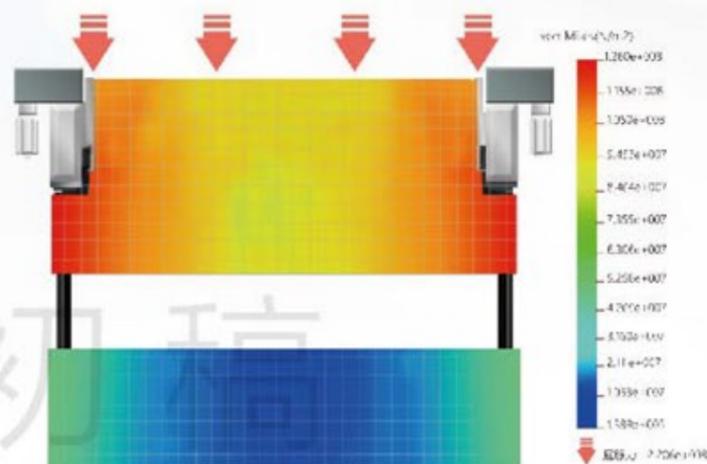
## 配置丰富 搭配灵活

### 板厚料足的高强度机架

#### High Strength Frame

机架加厚加强, 滑块加厚加宽, 将折弯时挠度变形量降至最低

The frame is thickened and strengthened, and the slider is thickened and widened, Minimize deflection deformation during bending



### C型喉口变形补偿装置

#### C-type Throat Deformation Compensation Device

精准测量机床折弯受力发生的微小变形并反馈补偿, 保证任何厚度、任何材质板材的折弯精度。

Accurately measure the small deformation caused by the bending force of the machine tool and feed back compensation to ensure the bending accuracy of plates of any thickness and material.

进口高精度位移传感器: 意大利 GIVI  
Imported high-precision displacement sensor: GIVI, Italy



# Standard Configuration

## 数控折弯机标准配置

### 稳定可靠的后挡料系统

#### Stable And Reliable Back Gauge

进口滚珠丝杠传动、直线导轨导向, 横梁双直线导轨结构, 确保精准定位。装配精密多级挡指, 加大定位范围, 让折弯更方便。

Imported ball screw drive, linear guide, and double linear guide structure of the crossbeam ensure accurate positioning. Equipped with precise multi-level stopper, the positioning range is enlarged, making bending more convenient.



### 精密快速夹紧装置

#### Quickly Clamping

便于快速装夹上模, 降低劳动强度, 提高生产效率。具有精度高、易夹紧、不松动、不掉刀等优点。

It is convenient to quickly clamp the upper die, reduce labor intensity and improve production efficiency. The utility model has the advantages of high precision, easy clamping, no loosening, no tool dropping, etc.



### 高性能的液压系统

#### High Performance Hydraulic System

德国 REXROTH/HAWE 高性能伺服阀系统, 更高的频率响应, 更低的故障率, 全闭环同步控制, 机床运行高速平稳。

High Performance Servo Valve System: REXROTH/HAWE, Germany. Higher Frequency Response, Lower Failure Rate, Full closed-loop synchronous control, high-speed and stable operation of the machine tool.

# Rich Configuration Flexible Match

## 配置丰富 搭配灵活



### 高精度自动机械补偿装置 High Precision Mechanical Crowning

补偿闭环控制，控制精度高，补偿量由数控系统自动计算设定，保证了全长折弯角度的一致。

The compensation closed-loop control has high control accuracy, and the compensation amount is automatically calculated and set by the NC system to ensure the consistency of the full-length bending angle.

### 移动式前托料架 Moveable Front Support System

移动式前托料支架，沿直线导轨移动，可任意位置停靠，带有旋转和高度调节功能，辅助您的折弯工作。

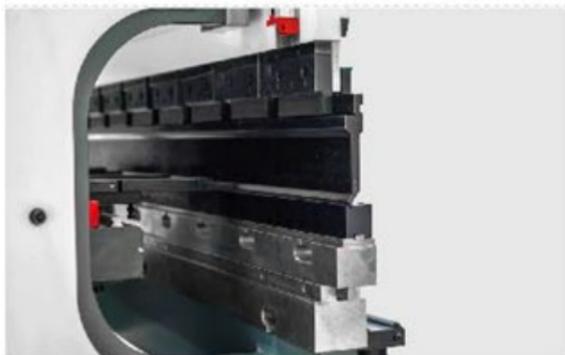
Moveable front support, moving along the linear guide rail, can be parked at any position, with rotation and height adjustment functions to help you to bend.



### 高品质折弯机模具 High Quality Press Brake Tooling

经锻打加工，整体淬火，经久耐用。高精度，高直线度，高重复度，最终获得理想的折弯效果。

After forging and quenching, it is durable. High precision, high straightness and high repeatability, and finally obtain the ideal bending effect.



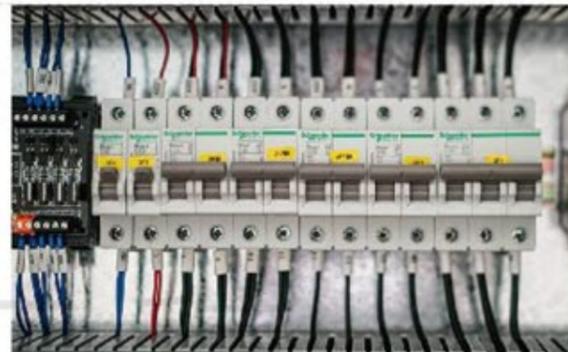
# Standard Configuration

## 数控折弯机标准配置

### 施耐德电气元器件 Schneider Electric Components

选用施耐德电器元件，均符合 DIN 和 ISO 相关标准，安全可靠。

Schneider electric components, are up to the standards of DIN and ISO, safe and reliable.



### 石墨自润滑铜板 Graphite Self-lubricating Copper Plate

耐磨性能好，摩擦系数小。无油润滑或少油润滑，减少保养次数或免于保养。

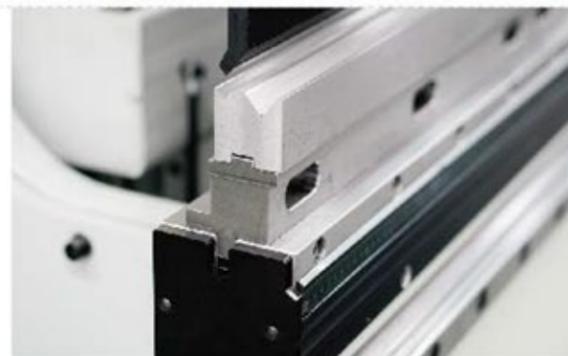
Good wear resistance and low friction coefficient. No oil lubrication or less oil lubrication, reduce maintenance times or avoid maintenance.

### 下模装夹 Lower Tool Clamp

下模双 V-“T”型快换夹紧方式  
2V-“T” Quick Change Bottom Die Clamping (standard)

下模采用双 V 快换夹紧方式，可选配单 V 机械夹紧或单 V 液压夹紧方式，可选配多 V 下模宽工作台夹紧方式。

The lower mold adopts double V quick-change clamping method. Single V mechanical clamping or single V hydraulic clamping method is optional. Multi-V lower mold wide work-bench clamping method is optional.



# Rich Configuration Flexible Match

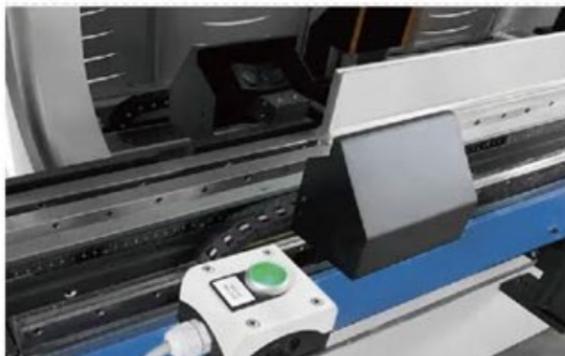
配置丰富 搭配灵活



## 激光保护光幕 Safety Guards

意大利进口 DSP LASER 激光防护装置可全面有效地提供折弯机的安全保护, 保护操作者人身安全。

The DSP laser laser protection device imported from Italy can comprehensively and effectively provide the safety protection of the bending machine and protect the personal safety of the operator.



## 折弯机激光角度检测系统 Laser Check Angle Measurement

使用激光角度测量系统, 能保证获得稳定的工件折弯角度, 提高自动化加工的效率 and 加工稳定性。

The use of laser angle measurement system can ensure a stable workpiece bending angle and improve the efficiency and stability of automatic machining.



## 数控随动前托料 CNC Follower Supports

工件折弯时, 托料板可以实现翻转跟随功能, 跟随角度和速度由数控系统自动计算并控制, 可沿直线导轨左右移动。

When the workpiece is bent, the support plate can realize the turning following function. The following angle and speed are automatically calculated and controlled by the NC system, and can move left and right along the linear guide rail.

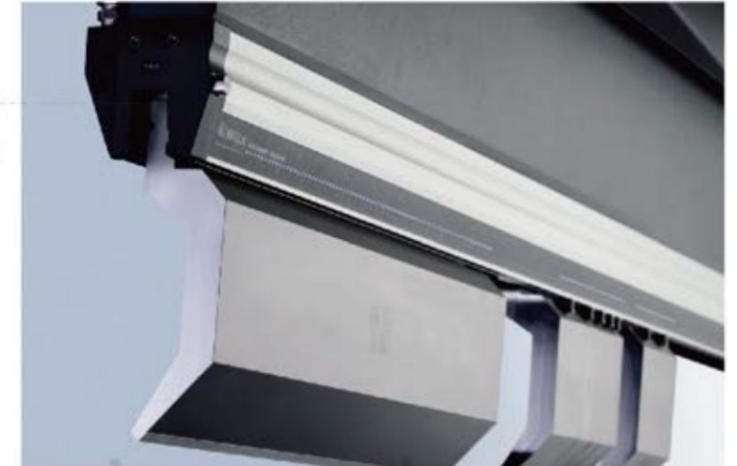


## 荷兰WILA上模液压夹紧装置

### Holland Wila Upper Tool Clamping Systems

上模液压夹紧, 夹紧松开动作由电气自动控制, 夹紧力大而牢靠, 换模轻松高效。

The upper die is hydraulically clamped, and the clamping and loosening action is automatically controlled by electricity. The clamping force is large and reliable, and the die change is easy and efficient.



## 荷兰WILA下模单V自动液压夹紧装置

### Holland WILA Lower Tool Holders

下模液压夹紧装置, 夹紧松开动作由电气自动控制, 换模更加轻松高效。

Lower die hydraulic clamping device, clamping and loosening action is automatically controlled by electricity, and die change is easier and more efficient.



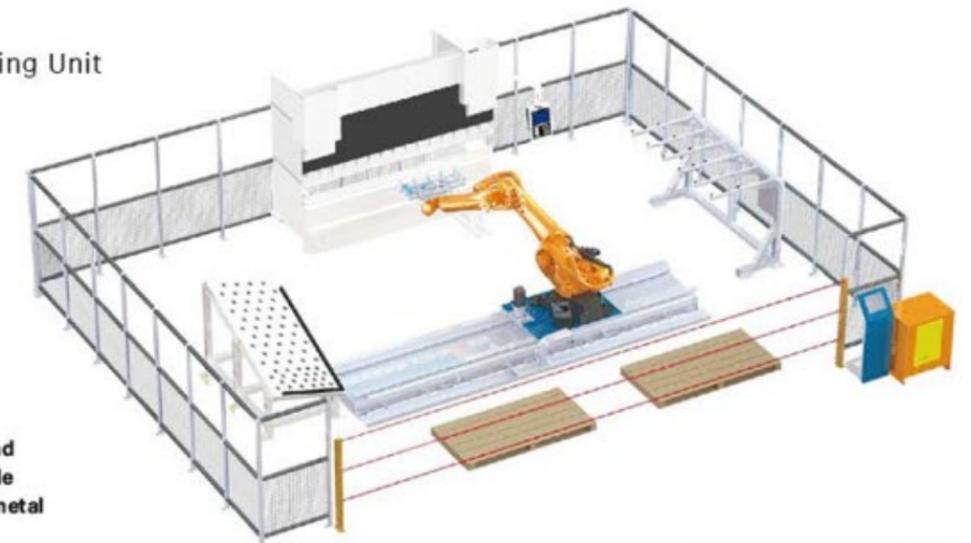
## 机器人折弯单元

### Bending Flexible Processing Unit



可根据您生产加工需要, 提供钣金柔性自动化解决方案

According to your production and processing needs, provide flexible automation solutions for sheet metal



## Optional Configuration

### 数控折弯机可选配置



#### 精密双面快夹装置

##### Double-sided Quick Clip

正反两面均可快速装夹上模，大大提高了加工效率，节省了刀具成本。

The upper mold can be quickly clamped on both the front and back sides, which greatly improves the processing efficiency and saves tool costs.

#### 8+1轴数控后挡料

##### 8+1 axis CNC Back Gauge

在现有后挡料机构的水平、前后和垂直方向各增加 1 个独立伺服驱动的挡料定位机构，从而实现数控折弯机对多角度折弯线工件的快速可靠定位。

An independent servo driven stop positioning mechanism is added to the horizontal, front and back and vertical directions of the existing rear stop mechanism, so as to realize the fast and reliable positioning of the multi angle bending line workpiece by the numerical control bending machine.



#### 6+1轴数控后挡料

##### 6+1 axis CNC Back Gauge

后挡料包括高刚性大底座、x 轴驱动机构、r 轴驱动机构及 z 轴驱动机构；能够根据加工零件的需要，将挡指自动调整到所需要的准确位置，保证工件的精确定位，从而加工出符合要求的工件。

The back gauge includes high rigidity big base, X-axis drive mechanism, R-axis drive mechanism and z-axis drive mechanism; according to the needs of processing parts, the stopper finger can be automatically adjusted to the required accurate position to ensure the accurate positioning of the workpiece, so as to process the qualified workpiece.



## CNC System 数控系统

### DA.50 Touch



#### DELEM DA53Tx

"Hot-key" touch navigation  
15.6" high resolution wide screen TFT  
Up to 4 axes (Y1/Y2 + 2 aux. axes)  
Crowning control  
Tool / material / product library  
Servo and frequency inverter control  
Advanced Y-axis control algorithms for closed-loop as well as open-loop valves.  
2D graphical programming (optional)  
TandemLink (option)  
Network interfacing (optional)  
Profile-53TL offline software

"快捷键" 触摸导航  
15.6" 高分辨率 TFT 宽屏显示  
最多 4 轴控制 (Y1, Y2, +2 个辅助轴)  
挠度补偿控制  
具有模具 / 材料表 / 产品库  
支持伺服和变频控制  
先进的 Y 轴控制算法, 既可控制闭环, 也可控制开环。  
2D 图形编程 (选装)  
网络双机联动 (选装)  
网络接口 (选装)  
Profile-53TL 离线编程软件



#### DELEM DA58Tx



2D graphical touch screen programming  
18.5" high resolution colour TFT  
Bend sequence calculation  
Crowning control  
Tool / material / product library  
Servo and frequency inverter control  
Advanced Y-axis control algorithms for closed-loop as well as open-loop valves.  
Protractor interfacing (option)  
TandemLink (option)  
Network interface (option)  
Profile-58TL offline software

2D 图形触摸屏编程  
18.5" 高分辨率 TFT 彩色显示屏  
折弯工序自动计算  
挠度补偿控制  
具有模具 / 材料表 / 产品库  
支持伺服和变频控制  
先进的 Y 轴控制算法, 既可控制闭环, 也可控制开环。  
量角器接口 (选装)  
网络双机联动 (选装)  
网络接口 (选装)  
Profile-58TL 离线编程软件

#### DELEM DA66S



2D graphical touch screen programming mode  
3D visualisation in simulation and production mode  
24" high resolution colour TFT  
Delem ModuSys compatibility (module scalability and adaptivity)  
USB, peripheral interfacing  
Support for Industry 4.0 connectivity (OPC-UA optional)  
Shop floor control, job list functionality  
Open system architecture  
Sensor bending & correction interface  
Profile-S2D offline software

2D 触摸屏图形编程  
3D 产品虚拟显示  
24" 高分辨率彩色 TFT 显示屏  
Delem 模块兼容 (模块可扩展和自适应)  
USB, 外设接口  
支持工业 4.0 接口 (OPC-UA 选装)  
车间控制, 工作清单功能  
开放性的系统架构  
角度检测折弯 & 角度校正接口  
Profile-S2D 离线编程软件

#### DELEM DA69S



3D and 2D graphical touch screen programming mode  
3D visualisation in simulation and production mode  
24" high resolution colour TFT  
Delem ModuSys compatibility (module scalability and adaptivity)  
USB, peripheral interfacing  
Support for Industry 4.0 connectivity (OPC-UA optional)  
Shop floor control, job list functionality  
Open system architecture  
Sensor bending & correction interface  
Profile-S 3D offline software

3D 和 2D 触摸屏图形编程  
3D 产品虚拟显示  
24" 高分辨率彩色 TFT 显示屏  
Delem 模块兼容 (模块可扩展和自适应)  
USB, 外设接口  
支持工业 4.0 接口 (OPC-UA 选装)  
车间控制, 工作清单功能  
开放性的系统架构  
角度检测折弯 & 角度校正接口  
Profile-S 3D 离线编程软件



#### SCS700



Features a Taiwan-made, industrial-grade, high-sensitivity 15-inch LCD touchscreen.  
Customized EMC Level 4 industrial computer board for stability and reliability.  
Dual-CPU system configuration provides powerful computing power and precise control.  
Standard PLC + C Motion programming is used.  
Supports standard EtherCAT communication expansion.  
Linux operating system with instantaneous power failure support.

采用台湾工业级高灵敏度 15 寸液晶触摸屏  
定制 EMC4 级工业电脑板, 稳定可靠  
双 CPU 系统配置, 算力强大, 控制精准  
采用标准 PLC + C Motion 编程  
支持标准 EtherCAT 通讯扩展  
Linux 操作系统, 支持瞬时断电

#### SCS920



Features a Taiwan-made, industrial-grade, high-sensitivity 21.5-inch LCD touchscreen.  
Customized EMC Level 4 industrial computer board for stability and reliability.  
Dual-CPU system configuration provides powerful computing power and precise control.  
Standard PLC + C Motion programming is used.  
Supports standard EtherCAT communication expansion.  
Linux operating system with instantaneous power failure support.

采用台湾工业级高灵敏度 21.5 寸液晶触摸屏  
定制 EMC4 级工业电脑板, 稳定可靠  
双 CPU 系统配置, 算力强大, 控制精准  
采用标准 PLC + C Motion 编程  
支持标准 EtherCAT 通讯扩展  
Linux 操作系统, 支持瞬时断电

#### CYBELEC CybTouch 12 PS

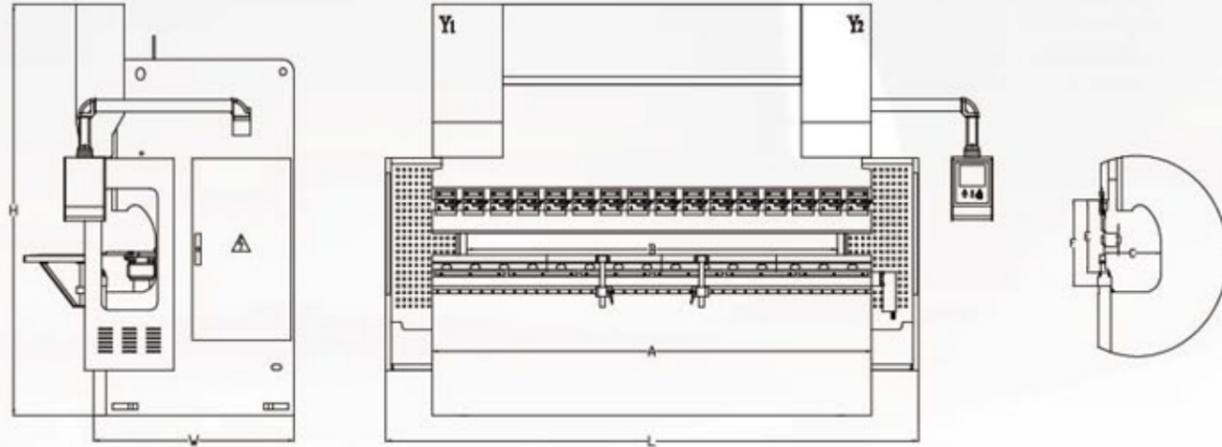


12" color LCD display, touch screen, icon recognition function;  
The "EasyBend" page is processed with easy single bending.  
The fully efficient bending programming can meet the needs of mass production and processing.  
Automatically calculate bending angle, main pressure and deflection compensation;  
Automatic calculation of bending data;  
Automatic calculation of pressure and deflection compensation;  
Automatic calculation of upper die depth;  
Angle, rear gear correction, 2D graphics programming;  
Automatically simulate the bending sequence and provide the best bending scheme (option).

12" 彩色液晶显示, 触摸屏, 图标识别功能;  
"EasyBend" 页面进行轻松单次折弯加工;  
完全高效的折弯编程满足大批量生产加工需要;  
自动计算折弯角度, 主压力和挠度补偿; 折弯数据自动计算;  
压力和挠度补偿自动计算; 上模深度自动计算;  
角度, 后挡料校正, 2D 图形编程;  
自动模拟折弯顺序, 提供最优折弯方案 (选装);

# Technical Parameter

## 技术参数



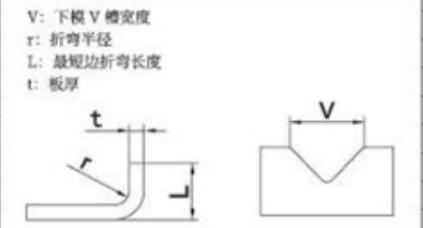
机床型号 Mode	折弯力 Nominal Pressure (kN)	可折长度 Max. bending width (mm)	立柱间距 Distance between uprights (mm)	喉口深度 Throat depth (mm)	油缸行程 Cylinder stroke (mm)	开启高度 Opening height (mm)	装模高度 Die setting height (mm)	主电机功率 Main power (kw)	液压油缸 Oil volume (L)	速度 Speed (mm/s)			外形尺寸 Dimensions(mm)			重量 Weight (KG)
										前进 Approaching speed	压制 Working speed	回程 Returning speed	长 Length	宽 Width	高 Height	
40-1600	400	1600	1200	300	150	450	545	5.5	160	230	0-15	140	2200	1450	2155	4300
70-1600	700	1600	1200	350	170	460	555	7.5	160	230	0-15	140	2200	1450	2155	4500
70-2500	700	2500	2000	350	170	460	555	7.5	225	230	0-15	140	3220	1780	2650	5500
110-2500	1100	2500	2000	400	200	490	585	11	225	220	0-15	140	3240	1780	2680	7000
110-3200	1100	3200	2700	400	200	490	585	11	350	220	0-15	140	4030	1780	2680	8000
110-4100	1100	4100	3300	400	200	490	585	11	350	220	0-15	140	4830	1780	2780	10000
130-3200	1300	3200	2700	400	200	490	585	11	350	200	0-15	140	4030	1790	2750	8300
130-4100	1300	4100	2700	400	200	490	585	11	430	200	0-15	140	4830	1790	2850	11300
130-5000	1300	5000	4100	400	200	490	585	11	550	180	0-15	90	5830	1790	3100	14000
130-6000	1300	6000	4800	400	200	490	585	11	550	180	0-15	90	6830	1790	3200	16000
170-3200	1700	3200	2700	400	200	490	585	15	350	200	0-15	140	4050	1800	2730	10100
170-4100	1700	4100	3300	400	200	490	585	15	430	200	0-15	140	4700	1800	2830	12100
170-5000	1700	5000	4100	400	200	490	585	18.5	550	160	0-15	90	5700	1800	3080	15000
170-6000	1700	6000	5000	400	200	490	585	18.5	550	160	0-15	90	6700	1800	3180	18000
220-3200	2200	3200	2700	400	200	490	585	18.5	350	160	0-13	140	4020	1850	2850	12000
220-4100	2200	4100	3300	400	200	490	585	18.5	430	160	0-13	140	4820	1850	3100	13900
220-5000	2200	5000	4100	400	200	490	585	22.5	550	130	0-13	90	5820	1850	3250	18200
220-6000	2200	6000	5000	400	200	490	585	22.5	550	130	0-13	90	6820	1850	3350	21000
250-3200	2500	3200	2700	450	250	540	635	22.5	350	130	0-13	110	4050	1860	3000	14000
250-4100	2500	4100	3300	450	250	540	635	22.5	430	130	0-13	110	4850	1860	3100	16000
250-5000	2500	5000	3800	450	250	540	635	22.5	550	120	0-13	80	5850	1860	3250	21000
250-6000	2500	6000	5000	450	250	520	615	22.5	550	120	0-13	80	6850	1860	3350	24000
300-3200	3000	3200	2700	450	250	520	615	24.5	460	100	0-13	90	4600	2260	3400	17700
300-4100	3000	4100	3300	450	250	520	615	24.5	460	100	0-13	90	5400	2260	3500	20300
300-5000	3000	5000	3800	500	250	520	615	24.5	550	90	0-13	90	6430	2260	3680	26100
300-6000	3000	6000	5000	500	250	520	615	24.5	550	90	0-13	90	7430	2260	3850	30400

\*展示参数仅供参考, 实际参数信息以产品实际为准 \*Above data is only for reference, to prevail in kind

# Sheet Bending Force Table

## 板料折弯力表

下模 V 槽宽度	折弯半径	最短边长度	t					v																	
			0.5	0.6	0.8	1.0	1.2	1.4	1.6	2.0	2.3	2.6	3.0	3.2	3.6	4.5	5.0	6.0	9.0	12	16	19	22	25	30
V	r	L	t0.5	0.6	0.8	1.0	1.2	1.4	1.6	2.0	2.3	2.6	3.0	3.2	3.6	4.5	5.0	6.0	9.0	12	16	19	22	25	30
4	0.7	2.8	4	6																					
6	1.0	4.0	3	4	7	11																			
7	1.1	5.0		3	6	10	14																		
8	1.3	5.5		3	5	10	12	15																	
10	1.5	7.0			4	7	10	13	17																
12	2.0	8.5				6	8	11	11	22															
14	2.3	10					7	10	13	19	25														
16	2.5	11					7	9	11	17	22	28													
18	3.0	13.5						8	10	15	19	25	37												
20	3.3	14							9	13	17	22	30	37											
25	4.0	18									11	14	18	24	27	37									
32	5.5	23										11	14	19	21	27	44								
40	6.5	28											11	15	17	21	34	42							
50	8	35												11	14	17	27	33	48						
63	10	45													14	21	26	38							
80	13.5	57														21	30	66							
100	16	71															24	54	96						
125	20	89																43	76	139					
160	26	113																	60	106	150				
200	35	140																		85	119	160			
250	42	175																			95	128	165	238	



表中数据为自由折弯时, 折弯长度为1000mm钢板(Rm=450N/MM<sup>2</sup>)

1. 双V下模使用时建议使用内侧槽口加工。
2. 模具使用时, 请勿超出所标示承压值。
3. 模具如有裂纹、破损、凹陷等损伤请及时更换模具。
4. 请使用推荐供应商或国内外知名供应商提供的模具产品。
5. 本册仅供内部员工使用, 如有内容更新、价格变动等情况, 恕不另行通知。

The data in the table are for free bending, with a bending length of 1000mm steel plate (Rm=450N/MM<sup>2</sup>)

1. It is recommended to use the inner notch for double V lower mold.
2. When using the mold, please do not exceed the indicated pressure value.
3. If the mold is cracked, damaged, dented, etc., please replace the mold in time.
4. Please use mold products provided by recommended suppliers or well-known domestic and foreign suppliers.
5. This booklet is for internal employees only. If there are any content updates, price changes, etc., we will not notify you separately.

### 压平折弯压力的计算: (折弯普通碳钢板, 长度为1000mm时的压力)

折弯形状	开口折边		压扁折边	
	压力 (TON)	a (mm)	压力 (TON)	2t (mm)
0.6	17	1.5	26	1.2
0.8	21	2.0	32	1.6
1.0	26	2.5	40	2.0
1.2	30	3.0	50	2.4
1.6	38	4.0	63	3.2
2.0	43	5.0	80	4.0
2.3	50	5.8	90	4.6
3.2	60	8.0	120	6.4

### 折弯压力吨位计算公式(参考值) Determination of the bending force for air bending (approximation)

$$F(\text{chart}) = 65 \times t^2 / V (\text{Ton} / \text{m})$$

折弯力/Bending force for			
铝	Alu	$\delta_b=300 \text{ MPa}$	$F=F(\text{表}) \times 0.65$ $F=F(\text{chart}) \times 0.65$
不锈钢	S.S	$\delta_b=700 \text{ MPa}$	$F=F(\text{表}) \times 1.6$ $F=F(\text{chart}) \times 1.6$

# Lower Transmission CNC Press Brake

## 下传动数控折弯机

- 下传动折弯机采用液压下传动，具有安全性，操作性，可靠性。
  - 下传动折弯机采用刚性机械同步，滚动导轨，保持上，下工作台面平衡度。
  - 下传动折弯机上工作台配有斜楔式挠度补偿装置，提高加工精度。
  - 下传动折弯机上下模均采用整体淬火，上模形式为标准上模，下模采用双槽模，中间板采用快速夹紧装置。
- The lower drive bending machine adopts hydraulic lower drive, which is safe, operable and reliable.
  - The lower drive bending machine adopts rigid mechanical synchronization and rolling guides to maintain the balance of the upper and lower working tables.
  - The worktable on the lower drive bending machine is equipped with a wedge-type deflection compensation device, which improves the processing accuracy.
  - Both the upper and lower dies of the lower drive bending machine are quenched as a whole. The upper die form is a standard upper die, and the lower die adopts a double-groove die. The middle plate is equipped with a quick clamping device.



节能  
Energy Saving



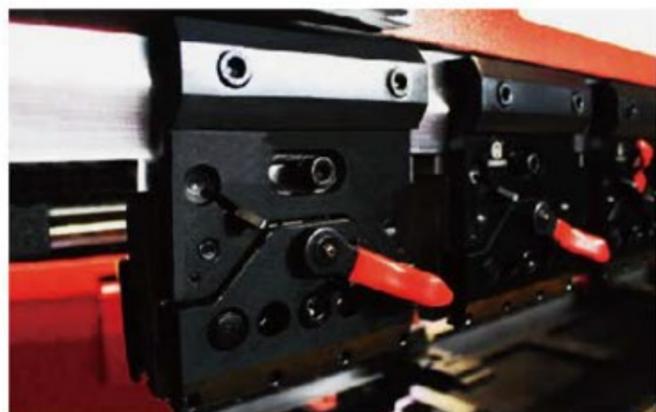
环保  
Environment Protection



高效  
Efficient



低噪  
Low Noise



### 双面快夹 Double-sided quick clamp

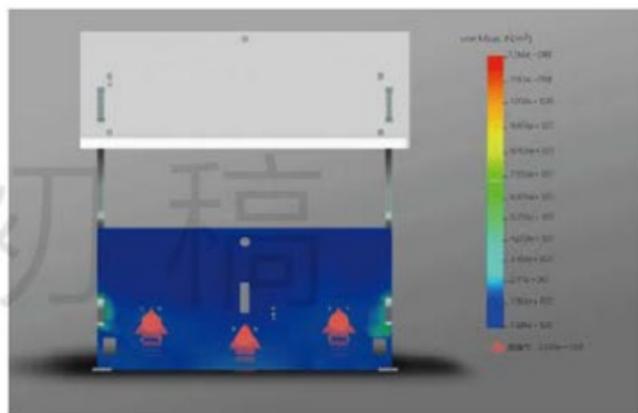
可正反两面安装上刀模，适合加工各种复杂的工件，同时节省模具成本。快拆设计快速缩短模具更换用时，既省时又省力。

It can be installed on both sides, suitable for processing all kinds of complex workpieces, and save the cost of the mold. The quick-release design rapidly shortens the time for mold replacement, saving both time and effort.

### 振动时效消除残余应力

机架自动化焊接成型，焊缝更平整均匀，受力不易变形。再经过振动时效技术消除焊接后的残余应力，使得机架整体刚性提高，提升设备整体长时间工作的负荷能力。

The rack is formed by automated welding, resulting in flatter and more uniform weld seams that are resistant to deformation under stress. Furthermore, vibration aging technology is applied to eliminate residual stress after welding, which enhances the overall rigidity of the rack and improves the equipment's load-bearing capacity during long-term operation.



本机器对折弯金属板料具有较高的劳动生产率和较高的折弯精度。当折弯不同厚度的板料时，采用不同形状的上下模具，可折弯成各种形状的工件。机架采用钢板焊接结构，经热处理退火消除内应力，具有足够的强度和刚性。集成式液压系统，构造简洁实用，液压下动式，效率为零。

This machine has a high labor productivity and high bending accuracy in bending metal sheet materials. When bending sheet materials of different thicknesses, by using upper and lower molds of different shapes, workpieces of various shapes can be bent.

The frame is made of welded steel plates and undergoes heat treatment annealing to eliminate internal stress, thus having sufficient strength and rigidity.

The integrated hydraulic system is simple and practical in structure. It features a hydraulic downward movement, so the efficiency is zero.

## Full electric CNC Press Brake 纯电数控折弯机

# WC67K SERIES

## Hydraulic Torsion-bar NC Press Brake

### 扭轴同步数控折弯机

- 机器为标准二轴控制 (Y、X)
- 机器采用机械式扭力同步
- 配国内名牌液压集成系统
- 配施耐德或西门子低压电器
- 配变频器控制电机运行
- 配进口密封圈
- 配滚珠丝杆控制后挡料运行
- 配标准上下模具(上斜块式挠度补偿)
- 配前托料架
- Standard two axis control (Y, X)
- Mechanical Torsion-Bar synchronization
- Domestic famous hydraulic integrated system
- Schneider or Siemens low-voltage electrical
- Inverter control motor operation
- Imported seals
- Ball screw back gauge operation control
- Standard upper and lower molds (upper inclined block type deflection compensation)
- Front material supporting frame



#### 后挡料 Back Gauge

采用优质滚珠丝杠、直线导轨，保证工件的精确定位，从而加工出符合要求的工件。

High quality ball screw and linear guide are used to ensure the accurate positioning of the workpiece, so as to process the workpiece meeting the requirements.

#### 扭矩同步控制系统

#### Torque Synchronous Control System

采用钢制扭轴同步机构，结构非常简单，但精度很高。在摆杆的两端，有两个同步装置，因此摆杆的运动始终平行于工作台。这种结构突出了操作期间平衡运动的效果。

Adopt steel torsion bar synchronization system, the structure is very simple, but the accuracy is very high. At the two ends of the ram, there are two synchronizing devices so that the ram movement is always parallel to the worktable. This structure highlights the effect of balancing motion during operation.



#### 快速模夹 Fast Clamp

快速模夹会帮助你在很短的时间内更换上模，简单方便。

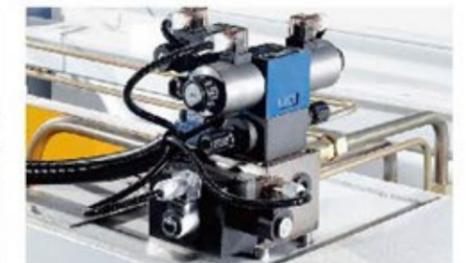
The standard equipped fast clamp will help you replace the top punch in very short time. Convenient and time-saving.



#### 折弯模具 Punch & Die

标准上模和多V下模可用于折弯各种厚度的板料。更多的折弯机模具可以选择根据你的实际使用来设计。

The standard top punch and multi-V bottom die can be used for bending sheet metal in various thickness. More press brake toolings can be selected as per your practical use.



#### 液压系统 Hydraulic System

使用集成式液压控制系统，减少了管道连接，更加可靠且易于维护。可选配Rexroth。

Our press brake machine uses BOSCH-REXROTH integrated hydraulic control system that limits the number of pipe connections, making it more reliable and easy for maintenance.

TP10S ESTUN E21 ESTUN E310P



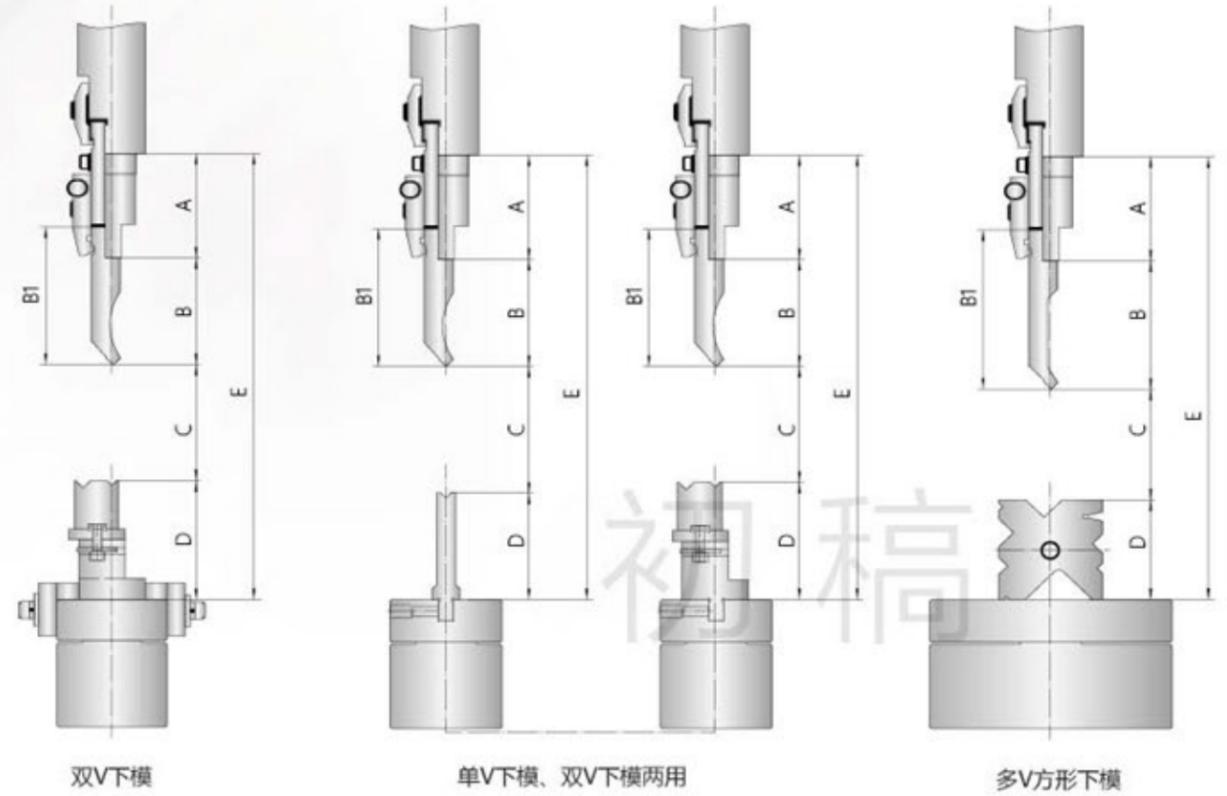
Technical Parameter 技术参数

型号 Type	公称压力 Nominal Force (KN)	工作台长度 Worktable Length (mm)	立柱间距 Poles Distance (mm)	喉口深度 Throat Depth (mm)	滑块行程 Slider Travel (mm)	最大开启高度 Max Open Height (mm)	主电机功率 Power (kw)	外形尺寸 Dimension(LxWxH) (mm)
30T/1600	300	1600	1200	180	90	280	4	1900 × 1200 × 1850
40T/1600	400	1600	1200	220	110	330	4	1900 × 1300 × 2000
40T/2500	400	2500	1980	220	110	330	5.5	2800 × 1300 × 2050
63T/2500	630	2500	1980	260	120	350	5.5	2800 × 1400 × 2150
63T/3200	630	3200	2655	260	120	350	5.5	3500 × 1400 × 2150
80T/2500	800	2500	1980	320	120	380	7.5	2800 × 1500 × 2300
80T/3200	800	3200	2655	320	120	380	7.5	3500 1500 2300
80T/4000	800	4000	3355	320	120	380	7.5	4300 × 1500 × 2300
100T/2500	1000	2500	1980	320	150	410	7.5	2800 × 1600 × 2300
100T/3200	1000	3200	2655	320	150	410	7.5	3500 × 1600 × 2400
100T/4000	1000	4000	3355	320	150	410	7.5	4300 × 1600 × 2400
125T/2500	1250	2500	1980	320	150	410	11	2800 × 1600 × 2300
125T/3200	1250	3200	2655	320	150	410	11	3500 × 1600 × 2400
125T/4000	1250	4000	3355	320	150	410	11	4300 × 1600 × 2400
160T/2500	1600	2500	1980	320	200	470	11	2800 × 1750 × 2550
160T/3200	1600	3200	2655	320	200	470	11	3500 × 1750 × 2550
160T/4000	1600	4000	3355	320	200	470	11	4300 × 1750 × 2550
160T/6000	1600	6000	5000	320	200	470	11	6300 × 1850 × 2950
200T/2500	2000	2500	1980	320	200	470	11	2800 × 1750 × 2550
200T/3200	2000	3200	2655	320	200	470	11	3500 × 1750 × 2550
200T/4000	2000	4000	3355	320	200	470	11	4300 × 1750 × 2550
200T/6000	2000	6000	5000	320	200	470	11	6300 × 1850 × 2950
250T/3200	2500	3200	2520	400	250	530	18.5	3500 × 1850 × 3250
250T/4000	2500	4000	2920	400	250	530	18.5	4300 × 1850 × 3250
250T/6000	2500	6000	5000	400	250	530	18.5	6300 × 1950 × 3350
300T/3200	3000	3200	2520	400	250	540	22	3500 × 1950 × 3300
300T/4000	3000	4000	2920	400	250	540	22	4300 × 1950 × 3300
300T/6000	3000	6000	5000	400	250	540	22	6300 × 2050 × 3400
400T/3200	4000	3200	2520	400	250	540	30	3500 × 2150 × 3400
400T/4000	4000	4000	2920	400	250	540	30	4300 × 2150 × 3400
400T/6000	4000	6000	5000	400	250	540	30	6300 × 2250 × 3400

\*展示参数仅供参考，实际参数信息以产品实际为准 \*Above data is only for reference, to prevail in kind

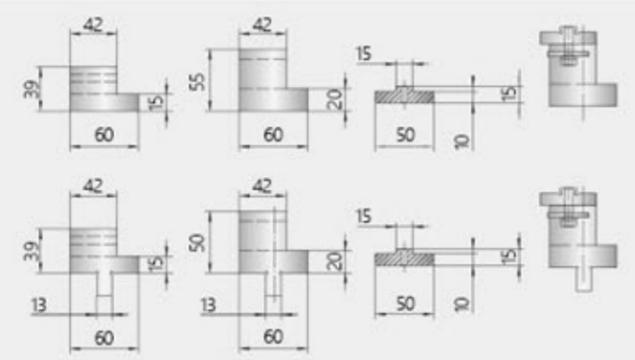
Tool Installation Diagram

数控折弯机模具安装图

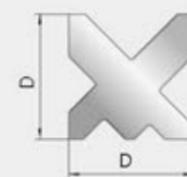


标准机床模具配置表 40T-400T

代号	双V模具	单双V模具	多V方模
A (快夹高度)	100	100	100
B (上模净高度)	90/120	90/120	120
B1 (上模高度)	120/150	120/150	150
C (上下模间距)	E-A-B-D		
D (下模高度)	95/111	100/106	65/85/95/110/130/140
E (开启高度)	详见技术参数表		



多V方型下模



规格

规格	开口尺寸
DF065	4, 8, 10, 12, 16, 24, 32, 40
DF085	4, 6, 8, 10, 10 $\angle$ 30°, 12, 30, 40, 50
DF095	8, 10 $\angle$ 30°, 12, 16, 24, 32, 40, 60
DF110	8, 12, 18, 25, 36, 48, 65, 80
DF130	12, 16, 24, 32, 40, 48, 80, 100
DF140	12, 16, 24, 32, 40, 50, 80, 100

40T-220T标配双V下模，250T(含)以上标配多V方形下模。

# QC12K SERIES

## Hydraulic Swing Beam CNC Shearing Machine

### 液压摆式数控剪板机

- 采用钢板焊接结构，液压传动，氮气缸回程，操作方便，性能可靠，外形美观。
- 刃口间隙调整有指示牌指示，调整轻便迅速，无级调节。
- 设有灯光对线装置，并能无级调节上刀架的行程量。
- 采用栅栏式人身安全保护装置。
- 后挡料采用E21S数控系统，噪音低、精度高。
- Steel plate welded structure, hydraulic transmission, nitrogen cylinder return, convenient operation, reliable performance, beautiful appearance.
- Edge adjustment signs, adjusts lightly and quickly, continuously variable transmission.
- Lighting device on the line, and continuously variable adjustment of upper carrier itinerary.
- Fence type safety protection device
- Back gauge adopts E21S CNC, with low noise and high precision.



刀片间隙快速调整装置  
Fast blade gap adjustment device



品牌油泵  
Brand oil pump



后挡料电机  
Back gauge motor



ESTUN E21S

后挡料控制  
控制普通电机或变频器  
智能定位  
双路可编程数字输出  
工件计数  
40个程序存储，每个程序25步  
单边定位  
退让功能  
参数一键备份与恢复  
公英制



ESTUN E200P

CAN总线方式控制伺服  
剪程控制  
双路可编程数字输出  
40个程序存储，每个程序25步  
单边定位  
内置剪切时间、退让延时  
参数一键备份与恢复  
全功能在线诊断、实时报警提示  
预留安全、托排接口  
彩色LCD高清显示屏  
公英制 & 中/英文



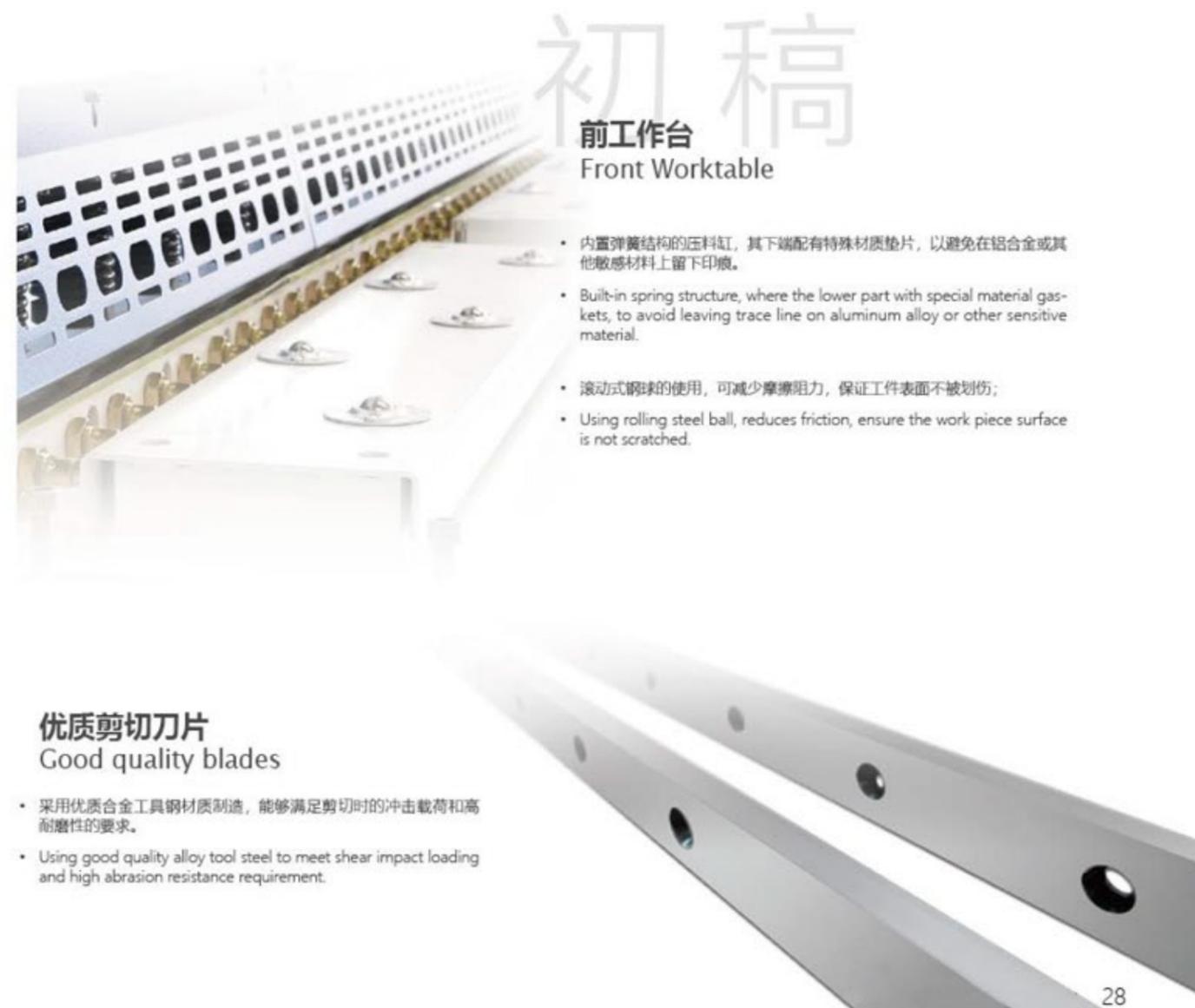
DELEM DAC-360T

工业级高级触摸屏控制  
7英寸高分辨率彩色TFT  
后/前仪表控制  
切割角度和间隙控制  
所有轴的手动运动  
第二和第三伺服轴(DAC-362T)  
USB记忆棒接口



CYBTOUCH 8

大屏幕，高清晰度和对比度的触屏系统  
便捷界面，清晰显示和大图标按键  
EasyCut页面单步剪切非常方便  
编程可以使批量的复杂剪切提高效率  
在线帮助和弹出式提示使得软件界面非常友好  
支持多种语言  
使用PC或者笔记本可以通过无线软件升级和传输数据



## 初稿

### 前工作台 Front Worktable

- 内置弹簧结构的压料缸，其下端配有特殊材质垫片，以避免在铝合金或其他敏感材料上留下印痕。
- Built-in spring structure, where the lower part with special material gaskets, to avoid leaving trace line on aluminum alloy or other sensitive material.
- 滚动式钢球的使用，可减少摩擦阻力，保证工件表面不被划伤；
- Using rolling steel ball, reduces friction, ensure the work piece surface is not scratched.

### 优质剪切刀片 Good quality blades

- 采用优质合金工具钢材质制造，能够满足剪切时的冲击载荷和高耐磨性的要求。
- Using good quality alloy tool steel to meet shear impact loading and high abrasion resistance requirement.

# QC11K SERIES

## Hydraulic Guillotine CNC Shearing Machine

### 液压闸式数控剪板机

- 整机采用全钢板焊接结构，振动消除应力，具有很好的刚性与稳定性。
  - 采用先进的液压集成阀组，结构紧凑，减少管路连接，提高了系统的可靠性与易维修性。
  - 串联油缸使机床在剪切时，剪切角不会变动。
  - 蓄能器回程平稳，迅速。
  - 刀片间隙手动调整，准确、迅速、方便。
  - 剪切角可调，减少板料扭曲变形。
  - 电动后挡料、位置显示器，方便又准确。
  - 滚动托料球，减少板料划伤，并可减少摩擦阻力。
- Integrated steel sheet welded structure, eliminate stress by vibration, with good rigidity and stability.
  - Adopt advanced hydraulic integrated valve unit with compact-structure, minimized pipe connection, in order to improve the reliability of the system and easy for maintain.
  - Serial linked oil cylinder, so the angle of shear will not change during the operation of Shear.
  - Accumulator return is smooth and swift.
  - Manual adjustment of blade gap, accurate, rapid and convenient
  - The angle of shear is adjustable, minimize distortion of plate.
  - Motorized back gauge, position display to improve its precision and convenience.
  - Rolling material support ball in order to minimize scuffing as well as friction resistance.



ESTUN E215

后挡料控制  
控制普通电机或变频器  
智能定位  
双路可编程数字输出  
工件计数  
40个程序存储，每个程序25步  
单边定位  
退让功能  
参数一键备份与恢复  
公英制



ESTUN E200P

CAN总线方式控制伺服  
剪程控制  
双路可编程数字输出  
40个程序存储，每个程序25步  
单边定位  
内置剪切时间、退让延时  
参数一键备份与恢复  
全功能在线诊断、实时报警提示  
预留安全、托料接口  
彩色LCD高清显示屏  
公英制 & 中英文



DELEM DAC-360T

工业级高级触摸屏控制  
7英寸高分辨率彩色TFT  
后/前仪表控制  
切割角度和位置跟踪控制  
所有轴的手动运动  
第二和第三伺服轴(DAC-362T)  
USB记忆棒接口



CYBTOUCH 8

大屏幕，高清晰度和对比度的触屏系统  
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EasyCut页面单步剪切非常方便  
编程可以使批量的复杂剪切提高效率  
在线帮助和弹出式提示使得软件界面非常友好  
支持多种语言  
使用PC或者笔记本可以通过无线软件升级和传输数据



刀片间隙快速调整装置  
Fast Blade Gap Adjustment Device

简便快捷的手动调整方式，实现对刀口间隙进行无级调整。  
Simple and quick manual adjustment, the implementation of the blade gap adjustment.



国产名牌电机  
Domestic Famous Brand Motor

我公司的剪板机采用著名品牌电机，不仅工作噪音低，而且使用寿命长。  
The motor of our shearing machine is adopt famous brand, which will not only has low noise during working of the machine but also has longer service life.



液压阀 Hydraulic Valve

压力控制系统采用电液比例压力阀，和整个过程的压力可以通过编程和控制，确保机器性能稳定可靠。  
The system pressure control adopts electro-hydraulic proportional pressure valve, and the whole process pressure can be programmed and controlled to ensure stable and reliable machine performance.



后挡料伺服电机(伺服款系统标配)  
Servo motor(standard configuration of servo system)



气动后托料(选配)  
Pneumatic sheet support system (optional)



后光幕(选配)  
Sick light barrier(optional)

# Technical Parameter

## 技术参数

### 液压摆式数控剪板机

型号 Model	可剪板厚 Thickness	可剪板宽 Width	剪切角 Cutting Angle	材料强度 Material Intension	后挡料行程 Backgauge travel	剪切次数 Cutting Times	主电机功率 Power	外形尺寸 Overall Dimension
TYPE	(mm)	(mm)	(°)	(KN/CM)	(mm)	(T/min)	(kw)	L x W x H(mm)
4x2500	4	2500	1° 30'	≤450	20-600	16	5.5	3040 x 1610 x 1620
4x3200	4	3200	1° 30'	≤450	20-600	14	5.5	3840 x 1610 x 1620
4x4000	4	4000	1° 30'	≤450	20-600	10	5.5	4600 x 1700 x 1700
4x6000	4	6000	1° 30'	≤450	20-600	8	7.5	6460 x 2100 x 3200
6x2500	6	2500	1° 30'	≤450	20-600	14	7.5	3040 x 1610 x 1620
6x3200	6	3200	1° 30'	≤450	20-600	12	7.5	3840 x 1610 x 1620
6x4000	6	4000	1° 30'	≤450	20-600	8	7.5	4620 x 1750 x 1700
6x5000	6	5000	1° 30'	≤450	20-600	6	11	5400 x 1800 x 1900
6x6000	6	6000	1° 30'	≤450	20-600	5	11	6480 x 2100 x 2300
8x2500	8	2500	1° 30'	≤450	20-600	10	11	3040 x 1700 x 1700
8x3200	8	3200	1° 30'	≤450	20-600	8	11	3860 x 1700 x 1700
8x4000	8	4000	1° 30'	≤450	20-600	8	11	4640 x 1700 x 1700
8x5000	8	5000	1° 30'	≤450	20-600	8	11	5400 x 2100 x 2000
8x6000	8	6000	1° 30'	≤450	20-600	8	11	6480 x 2100 x 2350
10x2500	10	2500	2°	≤450	20-600	9	11	3040 x 1700 x 1700
10x3200	10	3200	2°	≤450	20-600	9	11	3860 x 1700 x 1700
10x4000	10	4000	2°	≤450	20-600	8	11	4650 x 2100 x 2000
10x6000	10	6000	2°	≤450	20-1000	5	15	6500 x 2100 x 2300
12x2500	12	2500	2°	≤450	20-600	9	18.5	3140 x 2150 x 2000
12x3200	12	3200	2°	≤450	20-600	9	18.5	3880 x 2150 x 2000
12x4000	12	4000	2°	≤450	20-600	8	18.5	4680 x 2150 x 2000
12x5000	12	5000	2°	≤450	20-750	6	18.5	5900 x 2150 x 2000
12x6000	12	6000	2°	≤450	20-750	5	18.5	6900 x 2600 x 2700
12x8000	12	8000	2°	≤450	20-1000	5	18.5	9000 x 3500 x 3500
16x2500	16	2500	2° 30'	≤450	20-600	9	22	3140 x 2150 x 2000
16x3200	16	3200	2° 30'	≤450	20-600	8	22	3880 x 2150 x 2000
16x4000	16	4000	2° 30'	≤450	20-600	8	22	4650 x 2150 x 2200
16x5000	16	5000	2° 30'	≤450	20-750	6	22	5900 x 2600 x 2700
16x6000	16	6000	2° 30'	≤450	20-750	5	22	6900 x 2700 x 2700
16x8000	16	8000	2° 30'	≤450	20-1000	5	22	9000 x 3500 x 3500
20x2500	20	2500	3°	≤450	20-1000	8	22	3440 x 2300 x 2500
20x3200	20	3200	3°	≤450	20-1000	8	22	4150 x 2350 x 2700
20x4000	20	4000	3°	≤450	20-1000	5	22	4850 x 2600 x 2700
20x6000	20	6000	3°	≤450	20-1000	4	30	6700 x 3000 x 3000
25x2500	25	2500	3°	≤450	20-1000	8	37	3200 x 2700 x 2900
25x3200	25	3200	3°	≤450	20-1000	5	37	4200 x 2700 x 2900
30x2500	30	2500	3°	≤450	20-1000	4	37	3300 x 2900 x 3000
30x3200	30	3200	3° 30'	≤450	20-1000	4	40	4200 x 2900 x 3200
40x2500	40	2500	4°	≤450	20-1000	3	55	3200 x 3300 x 3000
40x3200	40	3200	4°	≤450	20-1000	3	55	4300 x 3300 x 3200

\*展示参数仅供参考, 实际参数信息以产品实际为准 \*Above data is only for reference, to prevail in kind

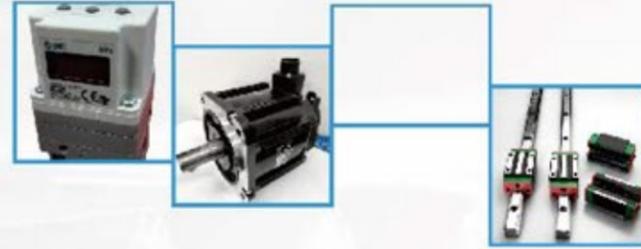
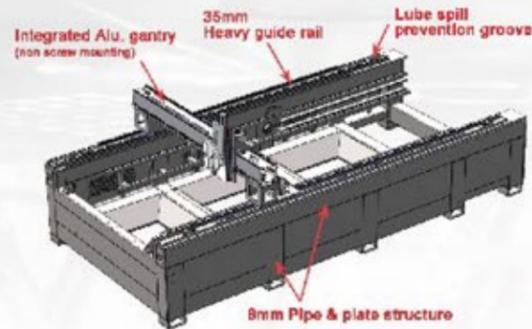
### 液压闸式数控剪板机

型号 Model	可剪板厚 Cutting Thickness(mm)	可剪板宽 Cutting Length(mm)	剪切角 Angle Range(°)	后挡料行程 Backgauge Stroke(mm)	长度 Overall Length(mm)	宽度 Overall Width(mm)	高度 Overall Height(mm)	主电机 Main Power
TYPE	(mm)	(mm)	(°)	(mm)	(mm)	(mm)	(mm)	(Kw)
6x2500	6	2500	1-3	750	3140	1740	2040	7.5
6x3200	6	3200	1-3	750	3750	1770	2150	7.5
6x4000	6	4000	1-3	750	4830	1840	2150	11
6x5000	6	5000	1-3	750	5830	1840	2150	11
6x6000	6	6000	1-3	750	6480	2100	2300	11
8x2500	8	2500	1-3	750	3040	1700	1700	11
8x3200	8	3200	1-3	750	3860	1700	1700	11
8x4000	8	4000	1-3	750	4640	1700	1700	11
8x5000	8	5000	1-3	750	5400	2400	2000	11
8x6000	8	6000	1-3	750	6480	2100	2350	11
8x8000	8	8000	1-3	750	8580	2130	2350	11
10x2500	10	2500	1-3	750	3040	1800	1700	15
10x3200	10	3200	1-3	750	3850	1830	1900	15
10x4000	10	4000	1-3	750	4650	2100	2000	15
10x5000	10	5000	1-3	750	5750	2100	2000	15
10x6000	10	6000	1-3	750	6500	2100	2300	15
10x8000	10	8000	1-3	750	6800	2100	2300	15
12x2500	12	2500	1-3	750	3285	1830	2390	15
12x3200	12	3200	1-3	750	3855	1830	2390	18.5
12x4000	12	4000	1-3	1000	4850	1830	2390	18.5
12x6000	12	6000	1-3	1000	6850	1930	2650	18.5
12x8000	12	8000	1-3	1000	8950	2130	2850	18.5
12x9000	12	9000	1-3	1000	9980	2300	2950	18.5
12x10000	12	10000	1-3	1000	11050	2500	3100	18.5
16x2500	16	2500	1-3	1000	3440	1940	2830	22
16x3200	16	3200	1-3	1000	4010	1940	2830	22
16x4000	16	4000	1-3	1000	5010	1980	2830	22
16x5000	16	5000	1-3.5	1000	5900	2600	2830	22
16x6000	16	6000	1-3.5	1000	6900	2700	2830	22
16x8000	16	8000	1-3.5	1000	8900	2900	3430	22
20x2500	20	2500	1-3.5	1000	3440	1980	2830	30
20x3200	20	3200	1-3.5	1000	4010	1900	2830	30
20x4000	20	4000	1-3.5	1000	4850	2600	2900	30
20x6000	20	6000	1-3.5	1000	6700	3000	3000	30
30x2500	30	2500	1-3.5	1000	3440	1900	2830	37
30x3200	30	3200	1-3.5	1000	4200	1900	3000	37
40x2500	40	2500	1-3.5	1000	3440	2000	3000	37

\*展示参数仅供参考, 实际参数信息以产品实际为准 \*Above data is only for reference, to prevail in kind

# Single Working Table Fiber Laser Cutting Machine

## 单工作台面激光切割机



### 3015SG Series Fiber Laser Cutting Machine

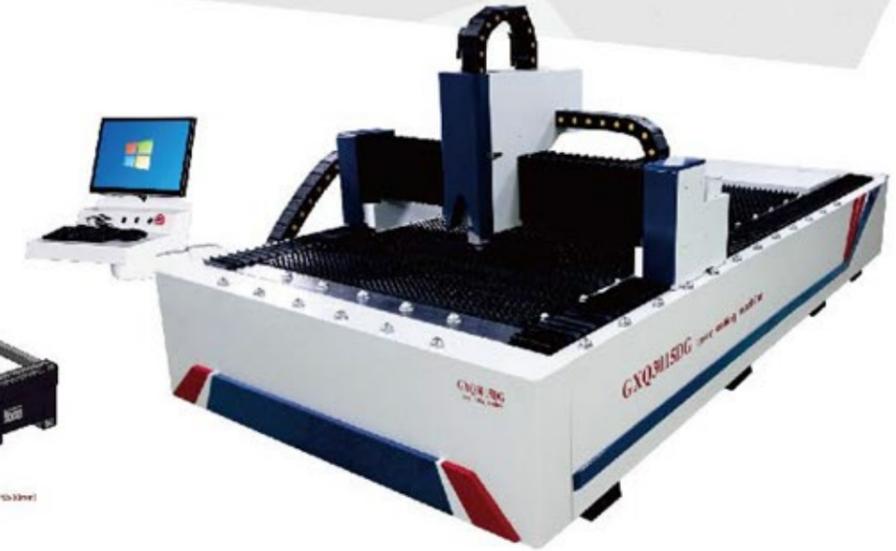
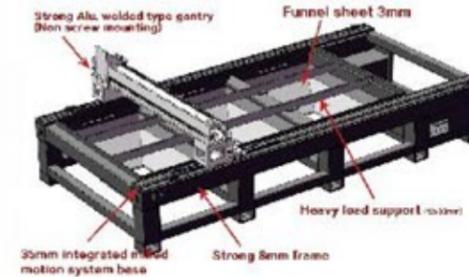
- Strong & heavy structure
- High stability configs
- Smaller area required



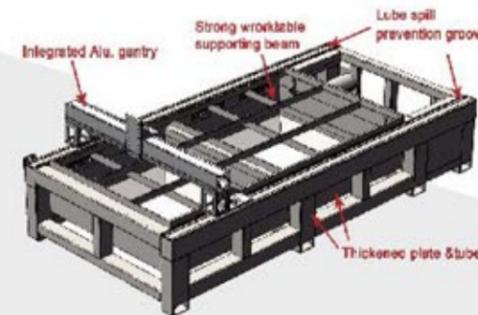
- 本机主体采用双管搭接结构，双管搭接结构在机身两侧箱梁之间提供完整的双层连接。与中间连接板只能单层点焊的板焊结构相比，这种结构具有更高的机械强度，对提高机床的抗扭/抗弯曲性能起着重要的作用。
- 本机的运动部件采用重型结构，在保证精度/速度的同时，也具有更高的耐磨性。可以配以中高档硬件需求。机器的设计槽工作台两侧下降，没有在市场上大多数机器。这滴槽让切割矿渣/金属粉尘生成在机器工作可以分为机器底部的浪费电车)及时避免削减矿渣/粉尘进入运动精度和使用寿命of machine areato效果这种设计很好拟合和高功率的机器。
- This machine's main frame is adopts double tube overlap joint structure, the double tube overlap welding structure provides a complete double-layer connection between the box-beams on both sides of the machine body. it compare with the plate welding structure where the middle connecting plate can only be spot welded in a single layer, this structure has higher mechanical strength and plays an important role in improving the anti-torsional / anti-bending performance of the machine tool.
- The motion components of this machine adopts heavy-duty configuration, it ensured accuracy/speed meanwhile also having higher wear resistance. can be match with middle-high power hardware requirements, the machine's have designed dropping slot on both sides of worktable, that is not have in most machines on the market, this dropping slot let the cutting slags / metal dust generated during machine working can be fall into the waste trolley at the bottom of the machine timely it avoided cutting slags / dusts entering the motion areato effect the accuracy and working life of machine, this design is good fitting with high power machine.

Model	3015SG	4020SG	6515SG
Fiber laser power	3w/6kw	3w/6kw	6kw/12kw/20kw
Working area	3010mm X 1510mm	4010mm X 2010mm	6510mm X 1510mm
Z axis height	125mm	125mm	120mm
Accuracy	±0.02mm	±0.02mm	±0.03mm
Free move speed	90m/min	80m/min	80m/min
Machine dimension	2350x4600x1500mm	2800x5800x1500mm	2350x8400x1600mm
Auxiliary gas pressure		O2 8-10bar, N2/Air 10-15bar	
Power supply		380V, ±5%, 50Hz 3phase	

### 3015DG Series Fiber Laser Cutting Machine



### 3015JK Series Fiber Laser Cutting Machine



Model	3015GG/JK	4020GG/JK	6515GG/JK
Fiber laser power	1500/3000W	3000/6000W	3000/6000W
Working area	3010mm X 1510mm	4010mm X 2010mm	6510mm X 1510mm
Z axis height	180mm	160mm	120mm
Accuracy	±0.02mm	±0.02mm	±0.03mm
Free move speed	90m/min	80m/min	80m/min
Machine dimension	2350x4600x1500mm	2800x5900x1500mm	2350x8300x1600mm
Auxiliary gas pressure		O2 8-10bar, N2/Air 10-15bar	
Power supply		380V, ±5%, 50Hz 3phase	

## Double Working Table Fiber Laser Cutting Machine

双工作台面激光切割机

- Double working efficiency
- Higher safety
- Strong & heavy structure



Art works industry



Kitchenware industry



Automobile industry



Machine cabin industry



3015D Series  
Fiber Laser Cutting Machine

- 本机采用双工作台设计，在后工作台上装卸物料的同时，机器会一直在前工作台上连续工作，其工作效率是单工作台的两倍，大大提高了用户对劳动力和场地的利用率。重型结构设计和标准的硬件配置，配备了目前最成熟的控制系统，从根本上保证了机器的高稳定性。
- This model designed with double working table, while loading and unloading materials on the rear working table the machine will keep working on front working table continuously, it getting double working efficiency than the single working table model, greatly improved the utilization rate of labor and site for user. heavy structure design and high standard hardware configs equipped with current most matured control system, ensured machine's high stability from basic.

Model	3015D	4020D	6520D
Fiber laser power	3000W	3000/6000W	3000/6000W/12000W
Working area	3010mm X 1510mm	4010mm X 2010mm	6510mm X 2010mm
X/Y/Z-axis accuracy	±0.02mm	±0.02mm	±0.03mm
Z axis height	140mm	130mm	120mm
Free move speed	60m/min	60m/min	60m/min
Machine dimension	2350x5500x1500mm	2800x6400x1500mm	2350x8400x1600mm
Auxiliary gas pressure		O2 8-10bar, N2/Air 10-16bar	
Power supply		380V, ±5%, 50Hz 3phase	

## Exchange Worktable Fiber Laser Cutting Machine

交换台大包围激光切割机

- Double working efficiency
- Better dust exhaust results
- Higher safety
- Elegant appearance

3015C Series  
Fiber Laser Cutting Machine



Heavy structure



Integrated Aluminium gantry

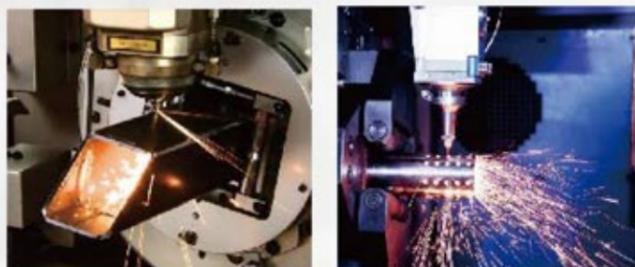


- 包围式光纤激光切割机采用厚管板焊接结构，经整体退火后，再用大型龙门铣床加工，一次钻出所有螺孔，退火工艺使机架不变形，可长期承受强冲击，运动系统的所有螺孔一次用高精度铣床完成，最大限度地提高了运动系统的安装精度。高强度铝合金焊接横梁既满足了机器的强度需求，又减小了横梁高速运动时的惯性，进一步保证了机器的稳定性和精度。封闭式设计完全覆盖了运动区和激光加工区，避免了高速运动部件和激光造成的意外伤害，采用了最成熟的控制系统和世界顶级的运动系统部件，优秀的硬件和软件保证了机器的最佳性能。
- The covered type fiber laser cutting machine adopts heavy pipe-plate welded structure, after entirely annealed then processing with large gantry milling machine tool and drilling all screw holes in one-step, annealing process enables machine frame no deformation to withstand strong impact for long-term, all screw holes of the motion system are completed at one time with the high precision milling machine tool, it maximum improves the installation accuracy for motion system, high-strength aluminum alloy welded crossbeam meets the strength needs of the machine and reduces the inertia of the crossbeam when it moves at high speed, further ensured the stability and accuracy of the machine. the enclosed design completely covered the motion area and laser processing area, avoided accidental injuries cause by the high speed moving parts and laser, adopts most matured control system and world top level parts of motion system, the excellent hardware and software ensured best performance for this machine.

Model	3015C	4020C	6525C
Fiber laser power	3000/6000W	3000/6000W	6000W/12000W/20000W
Working area	3010mm X 1510mm	4010mm X 2010mm	6510mm X 2510mm
X/Y/Z-axis accuracy	±0.02mm	±0.02mm	±0.03mm
Z axis height	120mm	120mm	120mm
Free move speed	90m/min	80m/min	80m/min
Machine dimension	2500x8800x2600mm	2900x11600x2600mm	3400x15900x2600mm
Auxiliary gas pressure		O2 8-10bar, N2/Air 10-15bar	
Power supply		380V, ±5%, 50Hz 3phase	

## Professional Pipe Cutting Machine

专业管材切割机



Rectangle Ellipse L-steel H-steel C-steel



### 6022C Series

Professional Pipe Cutting Machine

- 本专业切管机专为金属管材切割而设计，前后卡盘均采用气动驱动，使上下管材变得方便快捷，本专业切管机配备了目前最成熟的切管机软件，与管板切割机相比，本专业切管机具有更高的速度和精度，可切割圆/矩形/椭圆/L形/H形/U钢等管材形状。本机可以方便的在管端切割合适的形状，使不同的管件可以完美的连接，也可以切割各种设计，精度高，使各种金属管件的加工变得简单高效。
- This professional pipe cutting machine is special designed for metal pipe cutting, the front and rear chuck both are adopts neumatic drive, it make loading and unload pipe become to easy and fast, this pipe cutting machine equipped with current most mature pipe cutting software, compare with pipe-plate cutting machine, this professional pipe cutting have more higher speed & accuracy, and have more capable pipe shape like as round /rectangle/ ellipse/L shape / H shape /U steel etc., this machine can easy cut suitable shape in the end of pipe it let different pipe can joint perfectly, also can cutting various design in high accuracy, It makes the processing ofvarious metal pipes because simple and efficient.

Model	6012C	6024C
Fiber laser power	3000W	3000W/6000W
Round pipe size	Φ20-120x6200mm	Φ20-220x6200mm
Square pipe size	25-120mm	25-240mm
Chuck type	front & rear Neumatic max.load 120kg	front & rear Neumatic max.load 400kg
Tailing material length	30-60mm	30-70mm
Machine dimension	1400x8500mm	1500x8600mm
Auxiliary gas pressure	O2 7-10bar, N2/Air 10-15bar	
Power supply	380V, ±5%, 50Hz 3phase	

## Professional Pipe Cutting Machine

专业管材切割机



### 6012C Series

Professional Pipe Cutting Machine

- 这台切管机是专门为切小管子而设计的。前后卡盘采用轻量化气动结构，响应速度更快，有效提高工作效率，前卡盘设有避让功能，当切割到物料末端时，前卡盘可以自动移动其位置以避开切割头，将物料末端的未剪长度从40cm减少到5cm，大大提高了物料的利用率。
- 本机设有半自动送料装置，用户只需将物料有序地装入给料系统，就会自动装入并夹紧在机器上，缩短送料时间，大大提高机器利用率。
- This pipe cutting machine is designed specifically for cutting small pipes. the front and rear chucks adopt a lightweight pneumatic structure, which has a faster response speed and effectively improve the work efficiency, the front chuck is equipped with an avoidance function. When cutting to the end of the material, the front chuck can automatically move its position to avoid the cutting head, reducing the uncut length at the end of the material from 40cm to 5cm, it greatly improves the utilization rate of the material.
- This machine is equipped with a semi-automatic feeding device. users only need to load the materials on the feeding system in an orderly manner, it will be automatically load and clamped on machine. shortening the feeding time and greatly improving the utilization rate of the machine.



Model	6012G	6024G
Fiber laser power	1500/3000W	3000W
Round pipe size	Φ20-120x6500mm	Φ20-220x6500mm
Square pipe size	25-120mm	25-160mm
Chuck type	front & rear Neumatic max.load 80kg	front & rear Neumatic max.load 200kg
Tailing material length	30-60mm	40-70mm
Machine dimension	1300x8200mm 1200kg	1400x8200mm 1400kg
Auxiliary gas pressure	O2 7-10bar, N2/Air 10-15bar	
Power supply	380V, ±5%, 50Hz 3phase	

## Handheld Laser Welding Machine

手持激光焊接机

- High stability
- Low maintain cost
- Easy operation



**200SH Series**  
Handheld Laser Welding Machine



- 激光点焊机采用YAG激光技术，具有熔化深度深、稳定性高、维护成本低、抗高反射等独特特点，广泛应用于许多行业，是首饰焊接和一些银质工艺品生产等高反射材料的最佳选择，该机器的结构可以避免工件因激光反射而产生故障。
- 本机配有分体式大容量冷水机组，制冷量充足，可支持机器长期稳定运行。
- This laser spot welding machine adopts YAG laser technology, it widely apply on many industries because of its flowing unique features: deep melting depth / high stability / low maintenance cost / anti high reflection etc., its best option for those material what have high reflection, like as jewelry welding and some silver handicrafts produce, this machine's structure can be avoid faulty due to laser reflection by workpiece.
- This machine equipped with split type large capacity chiller, the adequate cooling capacity can be support long-term stable operation of machine.

Model	200SH	400SH
Laser type	YRS	YRS
Laser power	200w	400w
Dia. of laser spot	0.3-3mm	0.3-4mm
Melting depth	Max.3mm	Max.5mm
Positioning	Red light	Red light
Observation type	Microscope/CCD	CCD
Cooling type	Water cooling	Water cooling
Power supply	220V, ±5%, 50Hz, single phase 4kw	220V, ±5%, 50Hz, single phase 6kw
Machine dimension	Host 110x50x120cm Chiller 57x45x86cm	

## Handheld Laser Welding Machine

手持激光焊接机

- High stability
- Low maintain cost
- Easy operation

**200AD Series**  
Handheld Laser Welding Machine



- 本焊机适用于铁/不锈钢字母制作、钢模修补、镜架焊接、胸针焊接及一些手工艺品焊接等不规则产品的焊接，操作简单，焊接频率可调，可根据产品要求调整焊点输出速度，适用于需要做点焊的行业。
- This welding machine is suitable for these irregular products welding, like as iron/stainless steel letters making, steel mould repairing, eyeglass frame welding, breastpin and some handicrafts welding, this machine operate simple, the welding frequency adjustable, can be according to product's requirement adjust output speed of welding spot, its good for those industries where need to do spot welding.

Model	200AD
Laser type	YRS
Laser power	200w/400w
Welding spot size	1-3mm
Melting depth	0.3-3mm
Position system	CCD monitor
Positioning	Have ( red light)
Application	SS / MS spot welding
Cooling type	Water cooling

# Gantry Servo V Groover Machine

## 全伺服数控龙门刨槽机

- 设备为全伺服数控龙门式刨槽机。
  - 本机床采用先进的CNC系统,设计新颖。
  - 具有加工精度高、操作简单、无噪音、无振动等特点。
  - 该机床用于在钣金件(含不锈钢板、铝板、铝塑板、铜板、铁板、胶木板、亚克力板及其它一些特殊板材)上进行V型槽、U型槽及其它不规则槽的加工。
  - 特别适用于钣金件折弯前的V槽加工。
- The equipment is full servo CNC gantry type planer.
  - This machine tool uses advanced CNC system, the design is novel.
  - With high machining precision, simple operation, no noise, no vibration and so on.
  - The machine tool is used to process V-shaped slot, U-shaped slot and other irregular slots on sheet metal parts (including stainless steel plate, aluminum plate, aluminum plastic plate, copper plate, iron plate, rubber board, acrylic plate and some other special plates).
  - It is especially suitable for V-slot processing of sheet metal parts before bending.



台湾亿图数控系统  
Taiwan HUST CNC System



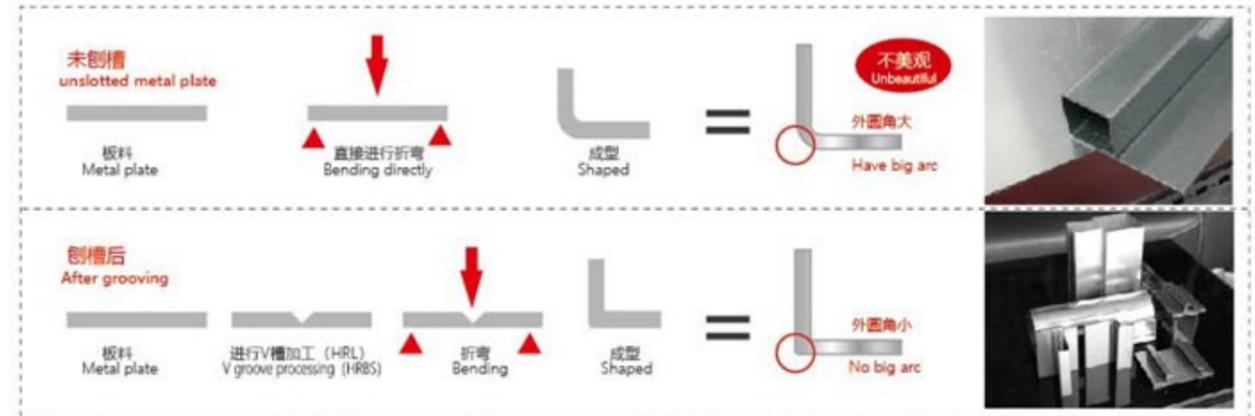
机架板厚料足强度高  
The frame plate is thick and high strength



进口合金刀架  
Imported alloy turret

### 板料刨槽与板料未刨槽的优缺点对照

Grooving and Ungrooving of Sheet Metal Merits and Demerits Contrast



### Technical Parameter 技术参数

型号 Model		3212	4012	6012	
加工性能 Machining Capacity	材料 Plate	材质 Material 长度 Length 宽度 Width 厚度 Thickness 最小边离 Minimum edge	3200mm 1220mm 0.6mm-4mm (板料平面度 < 3mm) 8mm	STS304&Q345 4000mm 6000mm	
	系统配置 CNC Specifics	控制方式 Control Type	4轴CNC控制 (X、Y1、Y2、Z) /axis CNC control(X Y1 Y2 Z)		
		显示器 Display	10寸高清液晶彩色屏/10 inches high definition color LCD		
		储存容量 Memory Capacity	20组, 112组(可加SD卡扩展)/20 group,112 pieces per group(available to add SD card)		
传动方式 Working System		滚珠丝杆/直线导轨/齿轮齿条/Ball screw/Linear guide rail/Gear rack			
加工速度 Processing speed	横梁 (X轴) 切削 X axis forward-Cutting	50m/min(伺服, 切削速度可调节)/(Servo,available to adjust grooving speed)			
	横梁 (X轴) 回程 X axis Backward	60m/min			
	刀架 (Y轴) 及端压料 (Y2轴) knife rest(Y1 axis) and Y2 axis	20m/min			
	刀架 (Z轴) 上下 Z-Axis UP-Down	20m/min			
加工精度 Machining Precision	刀架 (Y轴) 最小分辨率 Y1 Precision	0.01mm			
	刀架 (Y轴) 最大距离 Y1 Stroke	1250mm			
	刀架上下 (Z轴) 最小分辨率 Y1 Precision	0.01mm			
	刀架上下 (Z轴) 最大距离 Z Stroke	50mm			
驱动方式 Driving Mode	横梁 (X轴) X-Axis	4.5KW伺服电机, SEW Converter Motor			
	刀架上下移动 (Z轴) X-Axis	0.85KW伺服电机, Yaskawa Servo Motor			
	刀架 (Y轴)	0.85KW伺服电机, Yaskawa Servo Motor			
	前端压料 (Y2轴)	0.85KW伺服电机, Yaskawa Servo Motor			
夹紧装置 Clamping device	气压系统 Hydraulic	0.3-0.6Mpa			
	长度 Length	5200mm	6000mm	8000mm	
外型尺寸 The outline dimensions	宽度 Width	2380mm			
	高度 Height	1580mm			
	重量 Weight	6200kg	7500kg	11000kg	
	工作台平面度 Table Flatness	±0.02mm/M			
主电源 Main Power	380V/50Hz/3Phase				

Sample parameters are subject to change without prior notice! 样本参数如有更改恕不另行通知!

# Servo CNC Vertical V Groover Machine

## 伺服数控立式刨槽机

- 该系列刨槽机是传统设备的升级产品，与传统设备相比，主要特点是重载、高速、高效。
  - 本设备采用框架结构设计，高强度螺栓连接，整体刚性好，变形小。
  - 本设备横梁固定不动，工作由送料机构送进工作台面可更换。保证工作台面的平面度在± 0.03mm以内。
  - 本设备采用碳素工具钢制工作台，淬火后硬度达到HRC55以上。所以工作台磨损很小且可以换面，延长了设备的使用寿命。
  - 本设备5.6KW大功率伺服电机，刀架体同时安装4把切削刀，最大切削深度1mm，是传统设备效率的5倍，回程速度也加快5倍。
- This series of CNC V groover machine is an upgraded product of traditional equipment. Compared with traditional equipment, it is characterized by heavy load, high speed and high efficiency.
  - This equipment adopts frame structure design, high-strength bolt connection, good overall rigidity and small deformation.
  - The crossbeam of this equipment is fixed and the work can be replaced by the feed mechanism. Ensure that the flatness of the work surface is within ± 0.03mm.
  - This equipment uses a carbon tool steel workbench, hardness after quenching reaches HRC55 or more. Therefore, the table wear is very small and the surface can be changed, thereby prolonging the service life of the equipment.
  - This equipment has a 5.6kW high-power servo motor. The cutter body is equipped with 4 cutting tools at the same time. The maximum cutting depth is 1mm, which is 5 times that of traditional equipment and the speed of return is also 5 times faster.



进口合金刀  
Imported alloy knife

合金压脚、钳口  
Alloy presser foot, jaw

后托料架  
Support device

## Technical Parameter 技术参数

序号No.	参数名称Technology Specification	单位Unit	参数Parameter	备注Remarks
1	加工板厚度 Plate thickness	mm	0.6-4	
2	加工板长度 Processing length	mm	4000	
3	加工板宽度 Processing width	mm	1250	
4	切削速度 Cutting speed	m/mim	0-120	
5	送料速度 Plate feeding speed	m/mim	0-20	
6	Y轴最小设定单位 The Y axis minimum setting unit	mm	0.01	
7	Y轴最小设定精度 The Y axis minimum setting accuracy	mm	±0.05	
8	Z轴最小设定单位 The Z axis minimum setting unit	mm	0.01	
9	Z轴最小设定精度 The Z axis minimum setting accuracy	mm	±0.05	
10	X轴电机功率 X axis motor power	KW	4.5	
11	Y轴电机功率 Y axis motor power	KW	2	
12	Z轴电机功率 Z axis motor power	KW	1	
13	外形尺寸 Dimensions(L*W*H)	mm	5800×2300×1780	
14	液压系统功率 The power of the hydraulic system	KW	1.5	
15	台面平整度 Table flatness	mm	±0.03	

Sample parameters are subject to change without prior notice! 样本参数如有更改恕不另行通知!

## 机床规格 Specification

序号No.	型号Model	外形尺寸Dimensions(L*W*H)
1	1250×3200	5000mm×2300mm×1780mm
2	1250×4000	5100mm×2300mm×1780mm
3	1250×5000	6800mm×2300mm×1780mm
4	1250×6000	7800mm×2300mm×1780mm
5	3200×4000	5800mm×4300mm×1780mm

## 主要配置 Main Configuration

序号No.	参数名称Technology Specification	规格Specifications	品名Product Name	厂商Manufacturer
1	PUTNC数控系统 PUTNC CNC system	10寸/ inches	亿墨 HUST	台湾 Taiwan
2	刀架伺服电机 Tool holder servo motor	1KW	亿墨 HUST	台湾 Taiwan
3	后送料伺服电机 The front feed servo motor	2KW	亿墨 HUST	台湾 Taiwan
4	大功率伺服电机 High-power servo motor	4.5KW	亿墨 HUST	台湾 Taiwan
5	直线导轨 Linear guide rail		上银 Silver或ABBA	台湾 Taiwan
6	滚珠丝杆 Ball screw		上银 Silver或ABBA	台湾 Taiwan
7	冷却系统 Cooling system		贝奇尔Bechl	德国合资 German joint venture
8	其他低压电器 Other low-voltage electrical appliances		施耐德 Schneider	法国 France
9	机床电缆 Machine cable		德国恩格斯 German lgs	德国 Germany
10	白钢刀和合金刀 White steel knife and alloy blade		克洛依 Cloy	韩国 Korea

Sample parameters are subject to change without prior notice! 样本参数如有更改恕不另行通知!

# JH/JF21 SERIES

## Pneumatic Punchine Machine

### 气动冲床

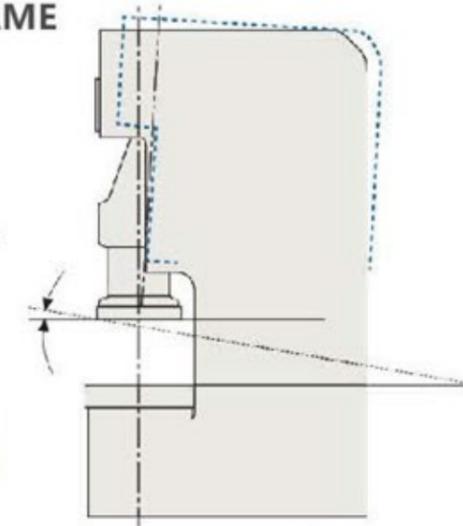
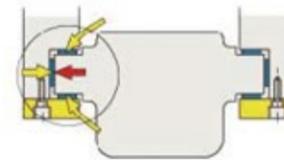
- 采用启动摩擦离合器和制动器，结合平稳，磨损少，寿命长；
  - 电器采用PLC控制，具有寸动，单次和连续操作规范；
  - 滑块装有压塌式保险，超载是保险器补压塌从而保证整机不受损坏；
  - 具有通用性、精度高、性能可靠、便于操作的优点；
  - 配备自动送料装置可实现自动化冲压作业。
- Using of the pneumatic friction clutch and brake gets smooth combination, less abrasion, long service life;
  - PLCcontrolled electrical has the operation specification of inching, single and continuous;
  - The slider is fitted with light type safety, overload is protector is collapse, which guarantees the machine from being damaged
  - Has the advantages of versatility, high precision, reliable performance, easy operation;
  - Automatic feeding device can realize the automation of punching operation.



### SUPER RIGID FRAME

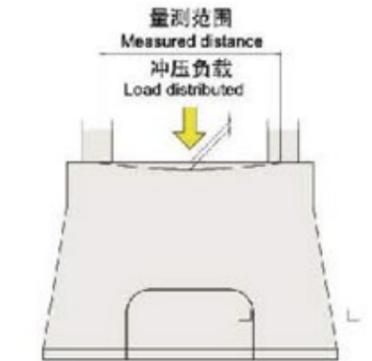
#### / 超刚性台身

- 结构刚性最佳化  
冲压制品精度大幅提升  
模具寿命有效延长
- Structural rigidity optimization  
The precision of stamping products has been greatly improved  
Die life is extended effectively



### MINIMIZED FRAME DEFLECTION

#### / 最小机身变形



技术参数		JH/JF21-60	JH/JF21-80	JH/JF21-100	JH/F21-125	JH/JF21-160	JH/JF21-200	
公称压力 Nominal force	Kn	600	800	1000	1250	1600	2000	
滑块行程 Slide stroke	mm	140	160	180	180	200	250	
行程次数(次/分) Number of stroke	单速 Single speed	70	60	60	55	50	45	
	无极调速 Speed promise	50-80	40-75	35-70	35-65	30-55	25-45	
最大封闭高度 Maximum shut height	mm	300	320	350	370	400	450	
封闭高度调节量 Closed height adjustment	mm	70	80	90	90	100	110	
滑块中心至机身距离 Disyance between center of slide to frame	mm	270	290	350	370	390	430	
立柱间距离 Disyance between column of the body	mm	560	650	680	710	720	900	
工作台尺寸 Working table size	前后 F-B	mm	520	650	680	720	760	840
	左右 L-R	mm	870	1000	1070	1120	1170	1390
工作台孔尺寸 Work bedplate holesize	直径 Diameter	mm	150	150	160	160	/	/
	前后 F-B	mm	400	430	520	520	580	880
滑块底面尺寸 Slide bottom size	左右 L-R	mm	480	560	620	620	700	650
	直径 Diameter	mm	50	60	70	70	70	70
模柄孔尺寸 Size of the handle hole	深度 Depth	mm	60	80	80	80	100	100
	前后 F-B	mm	1615	1915	2200	2300	2355	2690
外型尺寸 Appearance size	左右 L-R	mm	1200	1382	1419	1480	1515	1540
	高度 Height	mm	2570	2820	3190	3220	3250	3810
电机功率 Motor power	Kw	7.5	7.5	11	15	15	18.5	

Sample parameters are subject to change without prior notice! 样本参数如有更改恕不另行通知!

# Hydraulic Riveting Machine

## 智能液压压铆机

### 使用紧固件压铆机提高生产率

- 当前，大多数制造商认为：业务增长的速度，取决于他们能否满足最常见的应用要求。
- Today, most manufacturers believe that the speed of business growth depends on their ability to meet the most common application requirements.



### 性能特点

- 全液压系统驱动，台湾液压泵
- 喉高380mm，喉深500mm，冲头行程110mm
- 上模返回高度可调
- 保压时间可调
- 铆压所需压力无极调节
- 可在任意位置接触工件进行压铆

### Feature

- Full hydraulic system drive, Taiwan hydraulic pump
- Roar height: 380mm, roar depth: 500mm, punch stroke: 110mm
- The return height of the upper mold is adjustable
- The pressure-holding time is adjustable
- The pressure required for riveting can be infinitely adjusted
- Riveting can be carried out by touching the workpiece at any position



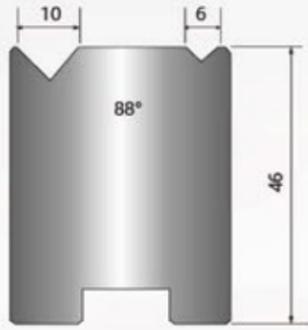
## Technical Parameter 技术参数

名称	参数	名称	参数
驱动模式	全液压	工作速度	3cm/s
输出压力范围	0-10吨	安全保护	标配
喉深	500mm/650mm可选	激光辅助定位	选配
喉高	360mm	硬限位	选配
压力重复精度	±1%	防偏转	选配
工作总行程	200mm	电机设备功率	3.75KW
工作可调行程	200mm	设备重量	600KG
保压时间上限	0-9.9s	设备外形尺寸	800*750*1800mm

\*展示参数仅供参考，实际参数信息以产品实际为准 \*Above data is only for reference, to prevail in kind

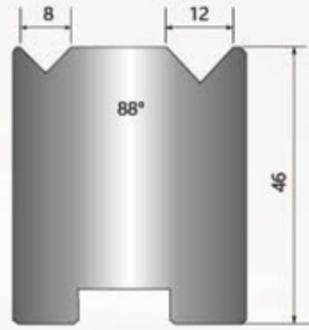
**BJX002**

H	A	R	T/M
46	86°/88°	0.3	60



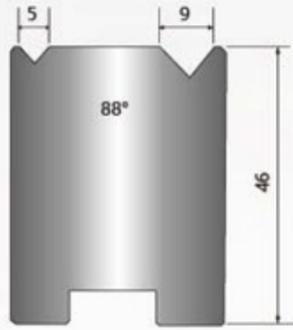
**BJX003**

H	A	R	T/M
46	86°/88°	0.3	60



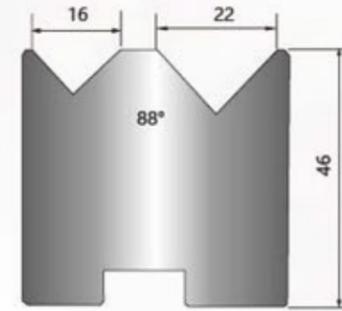
**BJX004**

H	A	R	T/M
46	86°/88°	0.3	60



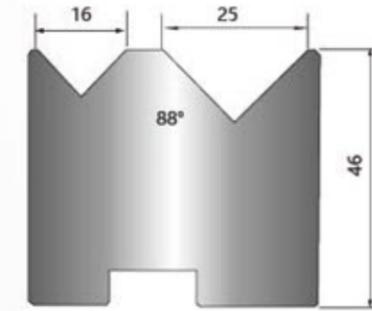
**BJX011**

H	A	R	T/M
46	86°/88°	0.3	60



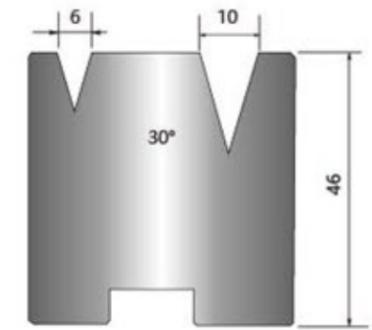
**BJX012**

H	A	R	T/M
46	86°/88°	0.3	60



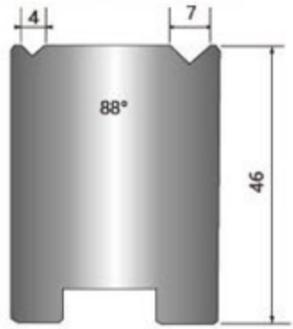
**BJX013**

H	A	R	T/M
46	86°/88°	0.3	60



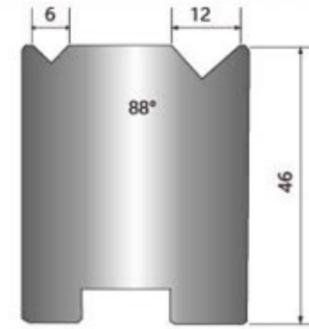
**BJX005**

H	A	R	T/M
46	86°/88°	0.3	60



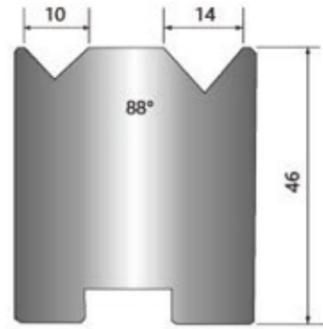
**BJX006**

H	A	R	T/M
46	86°/88°	0.3	60

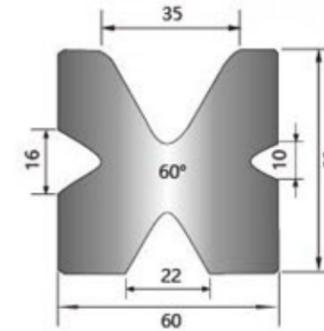


**BJX007**

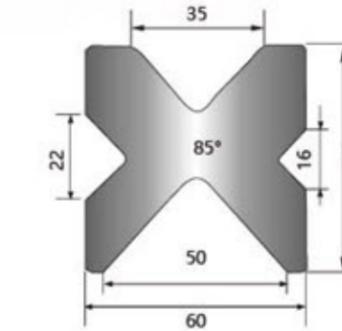
H	A	R	T/M
46	86°/88°	0.3	60



**BJX014**

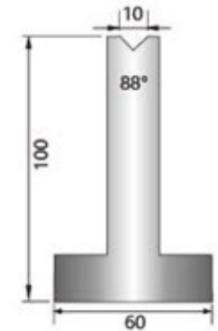


**BJX015**



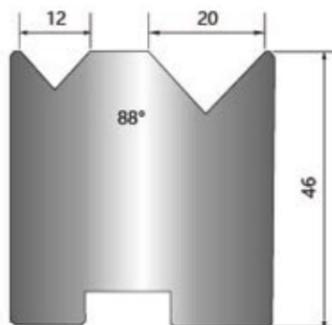
**BJX016**

H	V	A	T/M
46	6810	30°	60T
100	1214	40°	
120	1618	60°	



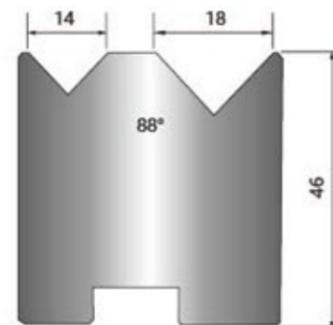
**BJX008**

H	A	R	T/M
46	86°/88°	0.3	60



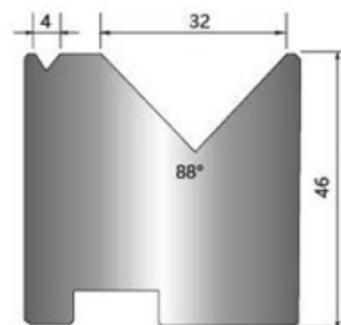
**BJX009**

H	A	R	T/M
46	86°/88°	0.3	60



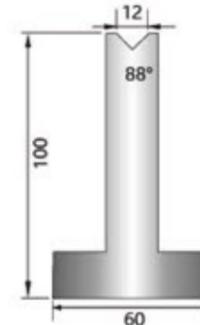
**BJX010**

H	A	R	T/M
46	86°/88°	0.3	60



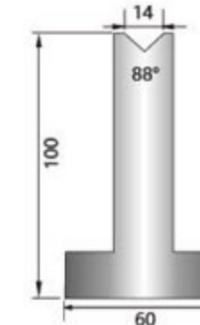
**BJX017**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	
120	20	88°	



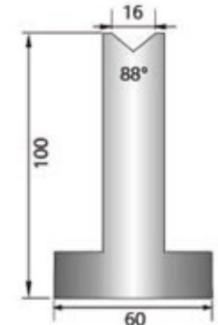
**BJX018**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	
120	20	88°	



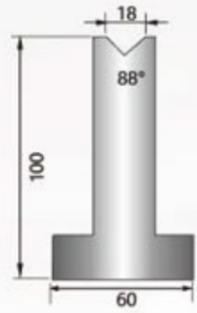
**BJX019**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	
120	20	88°	



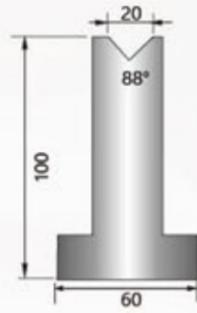
**BJX020**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



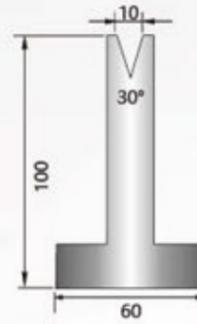
**BJX021**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



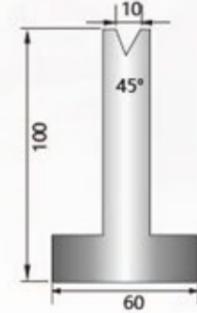
**BJX022**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



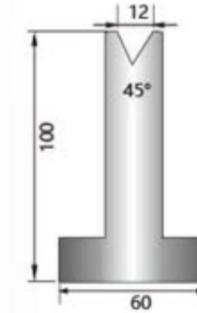
**BJX029**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



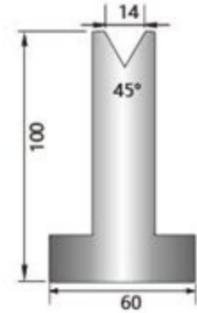
**BJX030**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



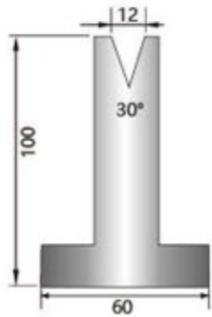
**BJX031**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



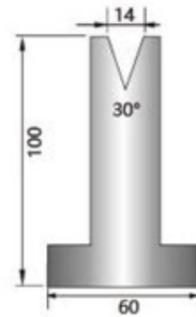
**BJX023**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



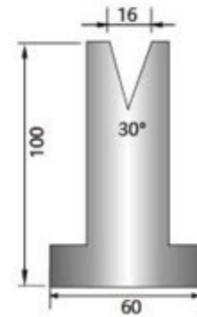
**BJX024**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



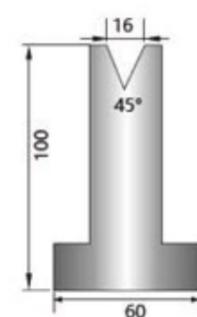
**BJX025**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



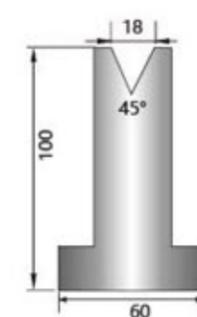
**BJX032**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



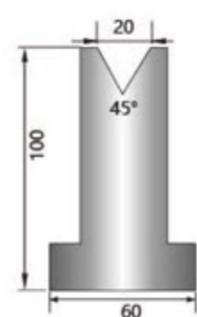
**BJX033**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



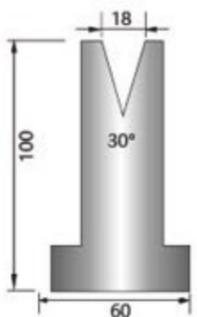
**BJX034**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



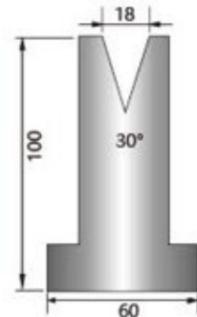
**BJX026**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



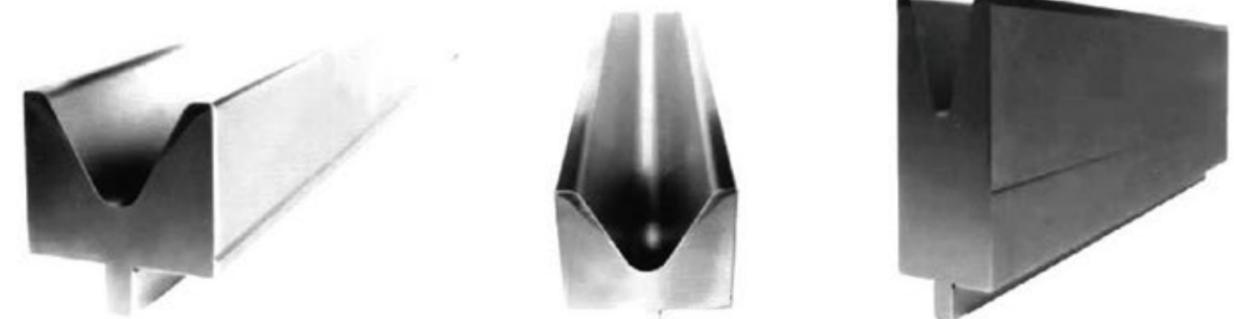
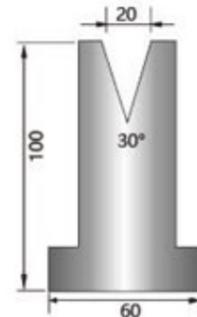
**BJX027**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



**BJX028**

H	V	A	T/M
80	6810	30°	60T
100	1214	40°	
120	1618	60°	



**BJS001**

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



**BJS002**

H	A	R	T/M
100	28° 30°	0.3 0.5	60T
120	28° 30°	0.3 0.5	



**BJS003**

H	A	R	T/M
100	28° 30°	0.3 0.5	60T
120	28° 30°	0.3 0.5	



**BJS010**

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



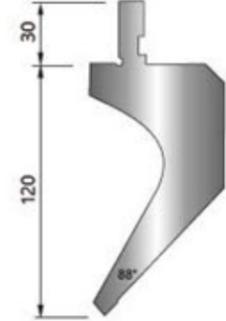
**BJS011**

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



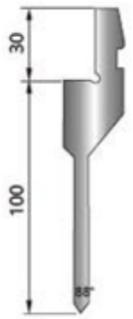
**BJS012**

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



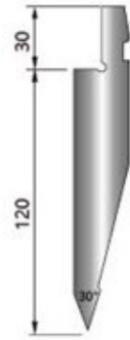
**BJS004**

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



**BJS005**

H	A	R	T/M
100	28° 30°	0.3 0.5	60T
120	28° 30°	0.3 0.5	



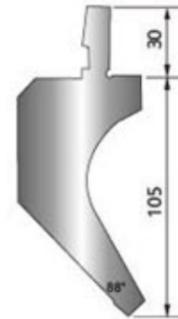
**BJS006**

H	A	R	T/M
100	60°	0.3 0.5	60T
120		0.3 0.5	



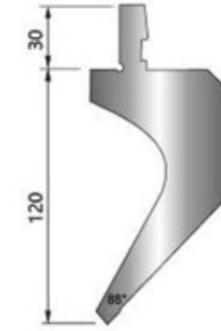
**BJS013**

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



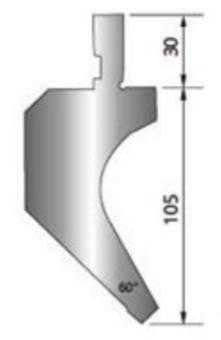
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H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



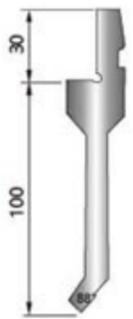
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H	A	R	T/M
100	60°	0.3 0.5	60T
120		0.3 0.5	



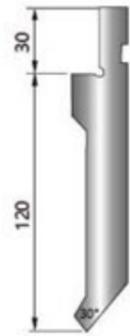
**BJS007**

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	



**BJS008**

H	A	R	T/M
100	28° 30°	0.3 0.5	60T
120	28° 30°	0.3 0.5	

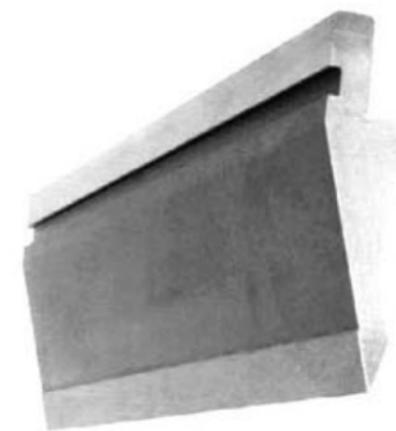


**BJS009**

H	A	R	T/M
100	86° 88°	0.3 0.5	60T
120	86° 88°	0.3 0.5	

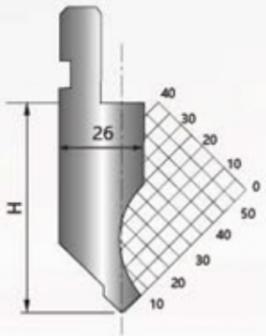


**BJS016**



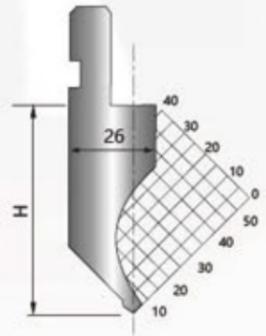
**BJS10.10** 90° 88°

A	R	H	T/M
90°	0.8	66.66	100
88°	0.8	66.66	100
88°	3	66.56	100
90°	0.25	66.62	100
88°	0.25	66.62	100



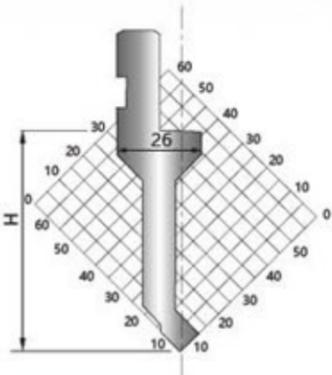
**BJS116** 90° 88°

A	R	H	T/M
90°	0.6	66.42	35
88°	0.6	66.42	35
90°	0.25	66.38	35
88°	0.25	66.38	35



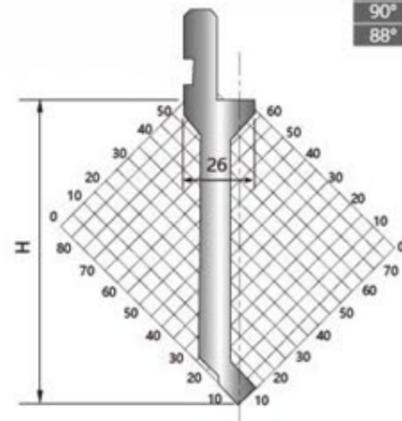
**BJS200** 90° 88°

A	R	H	T/M
90°	0.2	69.66	50
88°	0.2	69.66	50



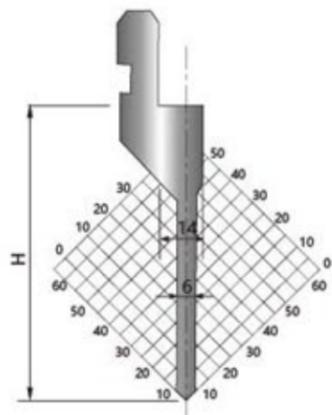
**BJS202** 90° 88°

A	R	H	T/M
90°	0.6	99.42	50
88°	0.6	99.42	50
90°	0.25	99.42	50
88°	0.25	99.42	50



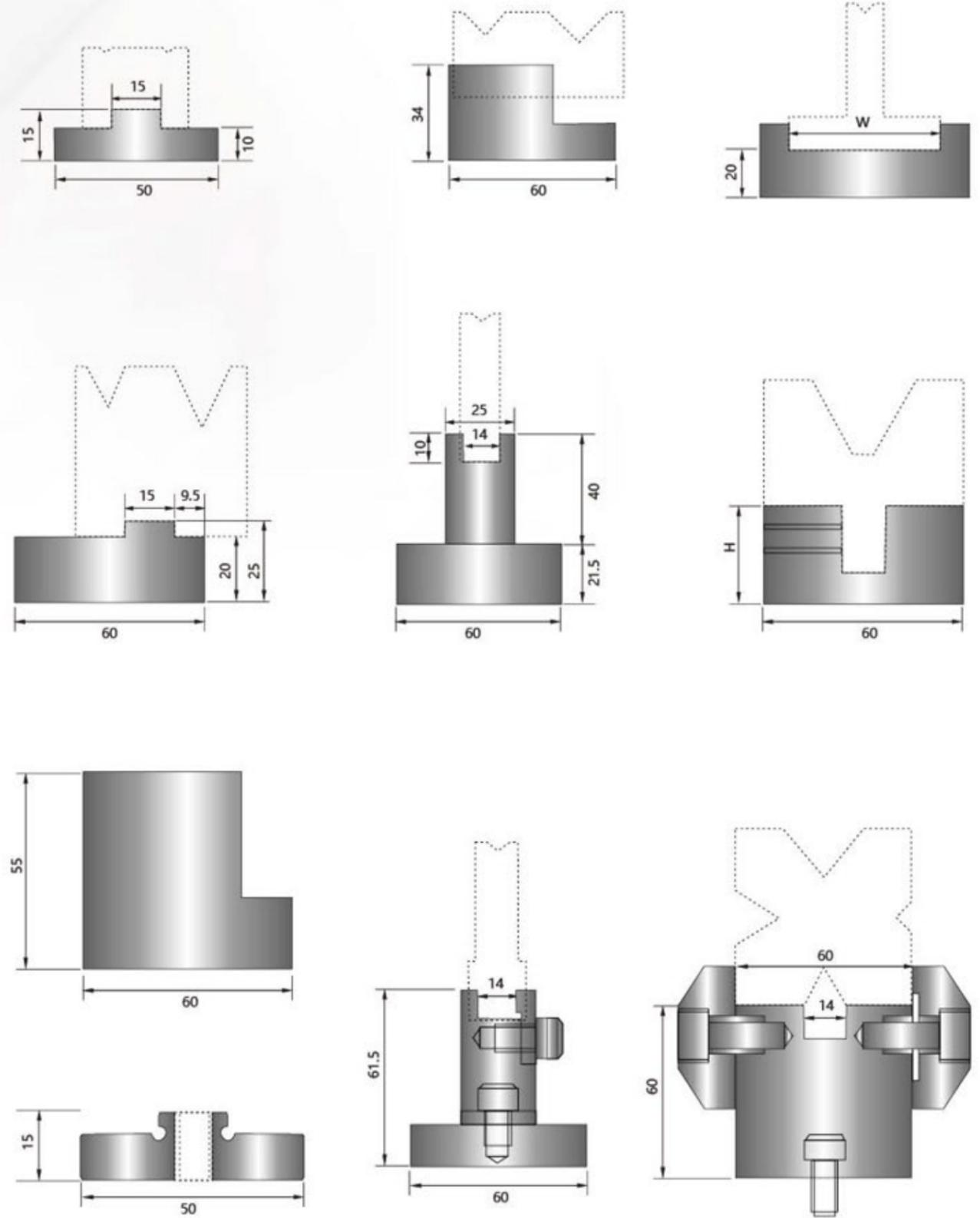
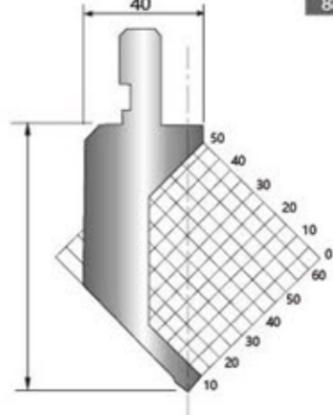
**BJS109** 90° 88°

A	R	H	T/M
90°	0.6	94.42	50
88°	0.6	94.42	50
90°	0.25	94.38	50
88°	0.25	94.38	50

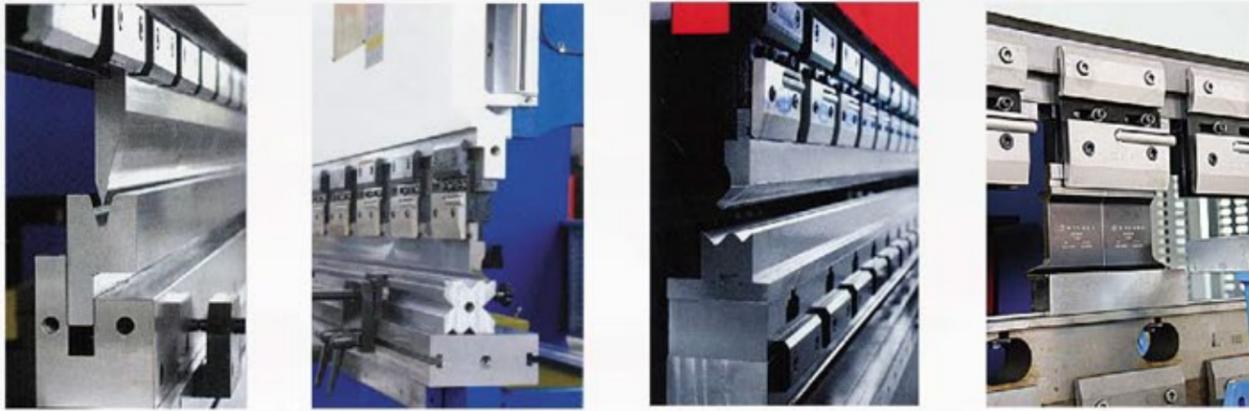


**BJS16** 90° 88°

A	R	H	T/M
90°	0.6	84.20	20
88°	0.6	84.20	20



## 折弯机模具 Press Brake Tool



## 剪板机刀片 Cutting Machine Blade

