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WOCHUAN

CQC ISO9001:2008 CE

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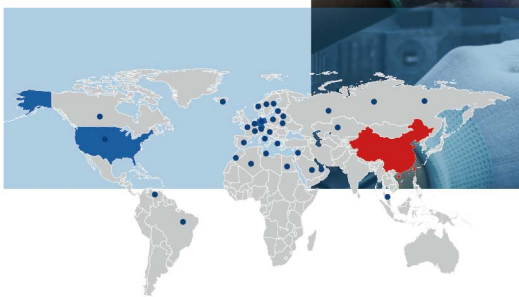


Professional Sheet Metal Machines Producer

专业钣金机械制造商

沃川数控科技有限公司

WOCHUAN CNC TECHNOLOGY CO., LTD

About us
WOCHUAN...

沃川数控科技有限公司座落于江苏省扬州市邗江区建华工业园，公司生产基地设在安徽省马鞍山市博望区新市工业园，连接苏、浙、沪，宁高高速贯穿于工业园区，交通便利。

本公司主要生产电液折弯机、剪板机、光纤激光切割机、开槽机等机床设备及刃模具等产品，专业为航空、轻工、冶金、金工、建筑、汽车、电力、装潢等行业提供所需要的专用机械和成套设备，品种全、规格多，产品销往全国各地和东南亚地区。

公司拥有一批知识化、年轻化的技术骨干致力于剪板机、折弯机、卷板机、冲床的开发研制。运用 CAD、CAPP、PDM 等软件进行产品设计开发，具有很强的开发设计能力，能满足用户的特殊要求。

公司倡导“科技创造品质，诚信引领未来”。全面贯彻执行 ISO9001:2015 国际质量体系标准。公司拥有完善的加工设备，先进的工艺装备和健全的质量控制体系，为企业迅速扩大、提高国际市场竞争力奠定了基础。

科技创新，精益求精，不忘初心，牢记使命。发展与成功的经验告诉我们，诚信是我们交流的基石。我们以“诚信是金”的理念结交各界朋友，我们愿与社会各界携手同进，共谋发展，以高品质的产品、系统而专业的服务与您共铸未来的辉煌！

Wochuan CNC Technology Co., Ltd is located in Jianhua Industrial Park, Hanjiang District, Yangzhou City, Jiangsu Province, the company's production base is located in Xinshi Industrial Park, Bowang District, Ma 'anshan City, Anhui Province, connecting Jiangsu, Zhejiang, Shanghai, Ning high speed through the industrial park, convenient transportation.

The company mainly produces electro-hydraulic press brake, shearing machine, fiber laser cutting machine, v groover machine and other machine tool equipment and blade mold and other products, specializing in aviation, light industry, metallurgy, metalworking, construction, automobile, electric power, decoration and other industries to provide special machinery and complete sets of equipment needed, the variety is full, the specifications are many, the products are sold all over the country and Southeast Asia.

The company has a group of knowledgeable, young technical backbone committed to the development of shearing machine, press brake, rolling machine, punching machine. Using CAD, CAPP, PDM and other software for product design and development, has a strong development and design ability to meet the special requirements of users.

The company advocates "technology creates quality, integrity leads the future". Fully implement ISO9001:2015 international quality system standards. The company has perfect processing equipment, advanced process equipment and sound quality control system, which lays the foundation for the rapid expansion of enterprises and improve the competitiveness of the international market.

Scientific and technological innovation, excellence, do not forget the original heart, remember the mission. The experience of development and success tells us that honesty is the cornerstone of our communication. We make friends from all walks of life with the concept of "integrity is gold", we are willing to work together with all walks of life, seek common development, with high quality products, system and professional service and you create a brilliant future!

PRODUCT CATALOG
产品目录

【企业目标】造一流产品，办一流企业

【企业精神】努力为客户创造价值

【企业服务】态度决定一切，细节决定成败

【企业宗旨】发展才是硬道理

【企业理念】没有最好，只有更好

WBD Series

电液伺服数控折弯机

Electro-hydraulic Servo CNC Press Brake

- 简约风格的工业设计，造型美观大方
- 经过处理的机架、数机刚性的优化，保证折弯加工精度稳定
- 最新液压控制技术应用，使机床运行性能更可靠
- 最佳的参数配比，最优的核心配置，保证性能稳定，操作更加方便，实现各类复杂形状工件的折弯加工

- Simple style of industrial design, beautiful appearance
- After processing, the rigidity of the frame and the whole machine is optimized to ensure the stable bending accuracy
- The application of the latest hydraulic control technology makes the operation performance of machine tool more reliable
- The best parameter ratio and the best core configuration ensure stable performance and more convenient operation, so as to realize the bending processing of various complex shape workpieces

节能 ENERGY SAVING

精准 PRECISE

高效 FAST

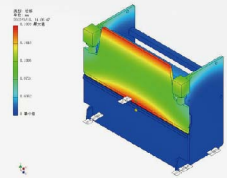
Core Configuration
核心配置

刚性机架 Rigid Frame

采用全钢焊接机架，拼装工作台结构，精度高，刚性好；主要构件采用UG\ANSYS\CAD 三维有限元分析和优化设计，以保证机架整体稳定性。

Adopt all steel welding frame and assembly workbench structure, with high precision and good rigidity,UG\ANSYS\CAD 3D finite element analysis and optimization design are adopted for the main components to ensure the overall stability of the rack.

有限元力学分析
Finite Element Mechanical Analysis



主电机 Main Motor

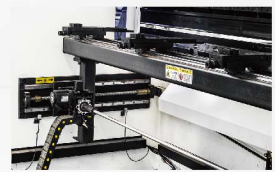
折弯机采用世界著名品牌电机，不仅在机器工作时噪音低，而且使用寿命长。

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.

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.



稳定可靠的后挡料系统
Stable And Reliable Back Gauge

进口研磨滚珠丝杠传动，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 grinding ball screw drive, linear guide rail guide,double linear guide construction,to ensure the positioning accuracy.Multistage stops to increase the positioning range,make the bending more convenient.

WBD Series

电液伺服数控折弯机

Electro-hydraulic Servo CNC Press Brake

- 流线型设计，高速度、高精度、高刚性的数控折弯机；
- 电液伺服同步技术，更精准控制滑块精度；
- 工作台机械挠度补偿和喉口变形补偿机构，确保折弯精度；
- 后挡料采用数字交流伺服电机驱动，精密滚珠丝杠传动，直线导轨导向。

- CNC sheetmetal press brake with streamlined design,high speed,high precision,high rigidity;
- Electro hydraulic servo system,full loop controlling the synchronization of the upper slider;
- Mechanical compensation on crowning of worktable and deformation compensation on throat, ensuring good bending strength and precision;
- Backgauge is driven by digital AC servo motor,moved with ball screw,guided by linear guide.

节能
ENERGY SAVING

精准
PRECISE

高效
FAST

Core Configuration
核心配置

高品质折弯机夹块
Higher 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。保证任何厚度，任何材质板材的折弯精度。

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

移动前托料架
Moveable Front Support System

2 套移动式前托料支架，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。

2 sets of 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.

GIVI 光栅尺
GIVI MISURE

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.

Optional Configuration
可选配置

激光安全保护
Laser Safety Protection

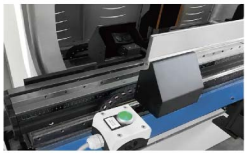
在非常接近工件的地方为操作者提供全面的保护。

Provide comprehensive protection for the operator in the place close to the workpiece.

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.



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和加工稳定性。

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

WILA

荷兰WILA上模液压夹紧装置

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。

Holland Wila Upper Tool Clamping Systems

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

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。

Holland WILA Lower Tool Holders

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

模 具 Tooling

上下模具
Top and Bottom Tooling

Wila上下液压夹具
Wila Hydraulic Punch & Die Clamping

上模
Top Tooling

WOCHUAN

EP700B（标配）

15 寸显控一体数控系统，标配 4+1 轴
高速实时 EtherCAT 总线控制，实时性高，便于扩展
预留物联网接口，外部通信接口
先进液压控制算法
集成机械手控制
行业特色的控件
支持拓展根据客户需求二次开发
丰富的模具库

SNC-56

15 寸触屏显示，1920X1080 高清分辨率
Y1-Y2-X1-X2-R1-R2-Z1-Z2+V 可多达 8+1 轴控制
支持 SVP、DSVP 主伺服电机控制，高效、节能、静音、省油
角度编程，折弯压力自动控制，工作台挠度、板宽自动补偿
100 个程序，每个程序 25 个工步，上模、下模各 15 个模具库
单工步插入模式、大圆弧折弯功能，实用方便
两边磁栅尺反馈滑块位置，精度 5UM，保障折弯角度 1 度以内
智能 PID 同步控制算法，实现滑块左右自动平衡

SCS700

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，支持瞬间断电

SCS900

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，支持瞬间断电

荷兰 DELEM DA53T

"热键"触摸导航
10.1 寸高分辨率彩色 TFT
4 轴 (Y1,Y2 + 2 辅助轴)
最高的控制
工具 / 材料 / 产品库
伺服和变频器控制
先进的轴控制算法闭环和开环阀
TandemLink(选项)
USB 记忆棒接口
Profile-T 离线软件

荷兰 DELEM DA58T

2D 触摸式图形编程
15" 高分辨率的 TFT 真彩显示
折弯工序计算
挠度补偿控制
伺服和变频器控制模式
先进的 Y 轴控制算法，即可控制闭环阀，也可控制开环阀
USB 接口

荷兰 DELEM DA66T

2D 触摸式图形编程
3D 产品图形模拟显示
17" 高分辨率 TFT 真彩显示
存储器容量 1 GB
完整的 Windows 应用程序包
兼容 DELEM 模块化结构系统
USB，外设接口
大圆弧模具
支持瞬时关机
在线分析工具
PLC 编程

荷兰 DELEM DA69T

2D 和 3D 触摸式图形编程
3D 产品图形模拟显示
17"高分辨率 TFT 真彩显示
完整的 Windows 应用程序包
兼容 DELEM 模块化结构
USB，外设接口
多任务环境下用户程序应用
角度检测传感器接口

CybTouch 8 PS

8" 彩色液晶显示，触摸屏，图标化识别功能
"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。

CybTouch 12 PS

12" 彩色液晶显示，触摸屏，图标化识别功能
"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；
自动模拟折弯步序，提供最优折弯方案（选项）。

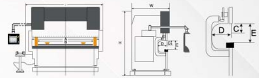
CybTouch 15 PS

15" 现代流线型玻璃镜面触摸屏，可戴手套使用。
用户友好的人机界面，直观编程和易于设置的导航功能（自动优化机床参数）。
2D 手指画图编程（触摸文件）和精确地 2D 程序创建。
自动折弯步序计算。
便于单零件折弯的 EasyBend 页面。
存储容量更大。
内部备份和存储功能。
用于诊断和升级的无线通讯功能（使用笔记本电脑）。

KV-S640 (Italy ESA)

高清晰的 15 寸 TFT 彩显
内置 PLC
二维图形编程
展开长度计算
图形化上下模、支持多边模、伸缩模、圆弧模、鹅颈模等模具
图形编程自动、手动优化
支持模拟折弯
支持图形或数值式圆弧折弯
PS2 键盘和鼠标接口
支持双机联动功能，无须另购同步卡

Technical Parameter
技术参数



WBD电液数控折弯机

		A	B	D	C	E		
型号 Model	公称压力 Nominal Pressure(kN)	工作台长度 Length of Table(mm)	立柱间距 Distance between columns(mm)	喉口深度 Throat Depth (mm)	滑块行程 Stroke (mm)	最大开启高度 Open Height (mm)	主电机功率 Main Motor (kW)	外形尺寸 Overall Dimensions L×W×H (mm)
40T/1300	400	1300	1120	250	150	460	5.5	2000*1500*2350
63T/1600	630	1600	1200	300	150	460	5.5	2300*1600*2500
63T/2500	630	2500	2100	300	150	460	5.5	3100*1600*2500
80T/2500	800	2500	2100	300	150	460	7.5	3100*1600*2600
100T/3200	1000	3200	2600	400	200	490	7.5	3800*1800*2600
100T/4000	1000	4000	3100	400	200	490	7.5	4600*1800*2600
125T/3200	1250	3200	2600	400	200	490	7.5	3800*1800*2700
125T/4000	1250	4000	3100	400	200	490	7.5	4600*1800*2700
160T/3200	1600	3200	2600	450	200	490	11	3800*2000*3100
160T/4000	1600	4000	3100	450	200	490	11	4600*2000*2800
220T/3200	2200	3200	2600	450	200	490	15	3800*2200*2850
220T/4000	2200	4000	3100	450	200	490	15	4600*2200*2850
250T/3200	2500	3200	2600	450	250	540	18.5	3800*2000*2900
250T/4000	2500	4000	3100	450	250	540	18.5	4600*2100*3100
250T/5000	2500	5000	4000	450	250	540	18.5	5600*2150*3150
250T/6000	2500	6000	4600	450	250	540	22	6600*2150*3150
300T/3200	3000	3200	2600	500	250	580	22	3800*2250*3200
300T/4000	3000	4000	3100	500	250	580	22	4600*2500*3400
300T/5000	3000	5000	4000	500	250	580	22	5600*2500*3400
300T/6000	3000	6000	5000	500	250	580	22	6600*2500*3400
400T/3200	4000	3200	2600	500	250	580	30	3800 * 2700*3500
400T/4000	4000	4000	3100	500	250	580	30	4600*2700*3500
400T/5000	4000	5000	4000	500	250	580	30	5600*2700*3500
400T/6000	4000	6000	5000	500	250	580	30	6600*2700*3500
500T/4000	5000	4000	3100	500	300	600	37	4600*2700*3500
500T/5000	5000	5000	4000	500	300	600	37	5600*2700*3500
500T/6000	5000	6000	5000	500	300	600	37	6600*2700*3600
600T/5000	6000	5000	4000	600	320	640	45	5600*3300*3900
600T/6000	6000	6000	5000	600	320	640	45	6600*3300*3900
600T/7000	6000	7000	6000	600	320	640	45	7600*3300*3900
700T/6000	7000	6000	5000	600	320	700	55	6600*3500*4000
800T/6000	8000	6000	5000	600	320	800	30*2	6600*3500*4000

Sorry no notice if parametre change! 样本参数如有更改恕不另行通知!

WC67K Series

扭轴同步数控折弯机

Torsion Bar Synchronous NC Press Brake

- 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 torque 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

低噪音 LOW NOISE

精准 PRECISE

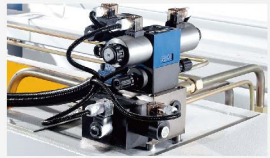
高效 FAST

Core Configuration
核心配置

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.



液压系统 Hydraulic System

我们的折弯机使用集成式液压控制系统，该系统减少了管道连接的数量，使其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.

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

电器柜 Electrical cabinet

手动补偿 Motorized Crowning

Optional CNC System
可选数控系统

TP10S

10 寸高清晰彩显触摸屏
菜单式编程界面
配备伺服电机
CANopen 总线控制方式，完全消除干扰定位误差
支持角度编程，系统自动计算板材折弯深度
滑块位置控制
后挡料位置控制
保压时间设定
20 个程序，每个程序 20 工步
软限位功能
断电记忆

DA41T

超高分辨率的 7" 宽屏 TFT LCD 显示屏
工业级的 PCT 钢化玻璃触摸屏
方便操作的人机工程学设计
高强度抗刮伤，可带手套操作
每个细微之处都彰显高端水平
基于面板式安装而设计的外壳，易于集成
USB 接口
与现在的折弯机设计风格完美结合

E300P

最新版触摸型数控系统
减少编程时间
是目前编程用时较短的系统
角度编程
触摸屏操作
可设置 X 轴数值，Y 轴数值
自动退让，集成油泵控制等

CybTouch8

8" 彩色液晶显示，触摸屏，图标化识别功能；
"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；

Optional Configuration
可选配置

激光保护光幕 Safety Guards

MSD 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 MSD LASER laser protection device can provide comprehensive and effective safety protection for the bending machine, protecting the operator's personal safety.

高精度机械补偿装置
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 amount is automatically calculated and set by the NC system to ensure the consistency of the full-length bending angle.

Technical Parameter 技术参数

型号 Type	公称压力 Nominal Force	工作台长度 Worktable Length	立柱间距 Poles Distance	喉口深度 Throat Depth	滑块行程 Slider Travel	最大开启高度 Max Open	主电机功率 Power	外形尺寸 Dimension
	(KN)	(mm)	(mm)	(mm)	(mm/min^{-1})	(mm)	(kw)	LxWxH(mm)
40T/2200	400	2200	1600	260	100	320	4	2200x1200x1910
40T/2500	400	2500	1950	260	100	320	4	2500x1200x1910
50T/2500	500	2500	1950	260	100	330	5.5	2500x1260x2000
63T/2500	630	2500	1950	280	120	330	5.5	2500x1300x2210
63T/3200	630	3200	2550	280	120	330	5.5	3200x1300x2210
80T/3200	800	3200	2550	300	120	360	7.5	3200x1400x2300
80T/4000	800	4000	3050	300	120	360	7.5	4000x1400x2300
100T/2500	1000	2500	1950	320	120	380	7.5	2500x1500x2400
100T/3200	1000	3200	2550	320	120	380	7.5	3200x1500x2400
100T/4000	1000	4000	3050	320	120	380	7.5	4000x1500x2400
125T/3200	1250	3200	2550	320	120	380	7.5	3200x1550x2500
125T/4000	1250	4000	3050	320	120	380	7.5	4000x1550x2500
160T/3200	1600	3200	2550	340	200	460	11	3200x1650x2700
160T/4000	1600	4000	3050	340	200	460	11	4000x1650x2700
160T/5000	1600	5000	3950	340	200	460	11	5000x1750x3100
160T/6000	1600	6000	4950	340	200	460	11	6000x1800x3200
200T/3200	2000	3200	2550	360	200	460	15	3200x1950x2800
200T/4000	2000	4000	3050	360	200	460	15	4000x1950x2800
200T/5000	2000	5000	4000	360	200	460	15	5000x1950x3000
200T/6000	2000	6000	5000	360	200	460	15	6000x2000x3200
250T/3200	2500	3200	2600	400	250	460	18.5	3200x2000x3200
250T/4000	2500	4000	3100	400	250	460	18.5	4000x2000x3400
250T/5000	2500	5000	4000	400	250	460	18.5	5000x2000x3400
250T/6000	2500	6000	5000	400	250	460	18.5	6000x2000x3400
300T/3200	3000	3200	2600	400	250	520	22	3200x2000x3400
300T/4000	3000	4000	3100	400	250	520	22	4000x2000x3450
300T/5000	3000	5000	4000	400	250	520	22	5000x2000x3450
300T/6000	3000	6000	5000	400	250	520	22	6000x2000x3450
350T/4000	3500	4000	3100	400	250	520	22	4000x2080x3450
350T/5000	3500	5000	4000	400	250	520	22	5000x2080x3450
350T/6000	3500	6000	5000	400	250	520	22	6000x2080x3450
400T/4000	4000	4000	3100	400	300	560	30	4000x2180x3500
400T/5000	4000	5000	4000	400	300	560	30	5000x2180x3500
400T/6000	4000	6000	5000	400	300	560	30	6000x2180x3800
500T/4000	5000	4000	3100	400	300	600	37	4000x2250x3700
500T/5000	5000	5000	4000	400	300	600	37	5000x2250x3700
500T/6000	5000	6000	5000	400	300	600	37	6000x2300x3800
600T/4000	6000	4000	3100	400	300	600	45	4000x2400x3700
600T/5000	6000	5000	4000	400	300	600	45	5000x2400x3700
600T/6000	6000	6000	5000	400	300	600	45	6000x2400x3800

参数如有变动，恕不另行通知。Parameters change without notice.

QC12K Series

液压摆式数控剪板机

Hydraulic Swing CNC Shearing Machine

- 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。
- 刀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.

刀口间隙调节
Blade gap adjustment

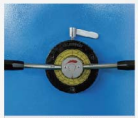
合适的刀片间隙将会收到满意的剪切效果。机床配有快速刀片间隙调节机构，适应不同板厚及材质的剪切需要。旋转手轮，就能调节刀片间隙，刀片间隙用间隙表显示。

The right blade clearance will receive satisfactory shear effect. The machine tool is equipped with a quick blade clearance adjusting mechanism, which can meet the needs of different thickness of plate and material, and can be adjusted by rotating the handwheel.

Core Configuration
核心配置

西门子电机
Siemens Motor

液压系统
Hydraulic System



刀片间隙调整
Blade Clearance Adjustment

液压压料缸
Hydraulic Hold-down Pads

• ESTUN 21S

后挡料控制	Backgauge control
控制普通电机或变频器	Control ordinary motors or inverters
智能定位	Intelligent positioning
双路可编程数字输出	Dual programmable digital output
工件计数	Workpiece count
40 个程序存储，每个程序 25 步	40 program storage, each program has 25 steps
单边定位	Unilateral positioning
退让功能	Yield function
参数一键备份与恢复	One-key backup and restore of parameters
公英制	Metric system

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.

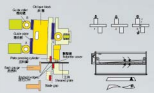
QC11K Series

液压闸式数控剪板机

Hydraulic Guillotine CNC Shearing Machine

- 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。
- 蓄能器同程平稳，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.



三点滚轮导轨结构

Three point roller guide structure

采用三滚轮导轨结构，前预压导轨使刀架始终贴在上导轨和下导轨上做无间隙反复运动。

在剪切时，刀口间隙可根据不同板料的需求进行调节，以取得最好的剪切质量。

Three roller guide structure is adopted, and the front prepressure guide rail is used to keep the tool frame sticking to the upper guide rail and the lower guide rail.
In the shear, the clearance of the blade can be adjusted according to the demand of different sheet materials to achieve better shear quality

Core Configuration 核心配置

西门子电机
Siemens Motor

液压系统
Hydraulic System

HIWIN滚珠丝杠&直线导轨
HIWIN Ball Screw & Linear Guide

工作台
Workbench

气动后托料
Pneumatic Back Supporter

后方气动支撑系统提供支持，并通过保持材料在整个切割过程中提升，避免留下宽薄板材，使切割更精确。

Rear pneumac support system provides support and allows more precise cuts by keeping the material lifted throughout the cut, avoiding hanging down the wide and thin sheets.

ELGO P40T

- TFT - 显示触摸操作
  手动功能
  单组操作
  程序存储器
  数字输出高达 2A
  模拟输出
  材料取决于间隙，角度和压力计算
  切割自动机
  片材支撑
  工作表返回

DELEM DAC - 360T

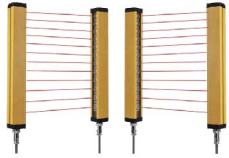
- 工业级高级触摸屏控制
  7 英寸高分辨率彩色 TFT
  后 / 前仪表控制
  切割角度和间隙控制
  所有轴的手动运动
  第二和第三问题标 (DAC-362T)
  USB 记忆棒接口

CYBELEC CT 8

- 8" 彩色液晶显示，触摸屏，图标化识别功能;
  "EasyBend"页面进行轻松简次折弯加工;
  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;

光幕 Light Curtain

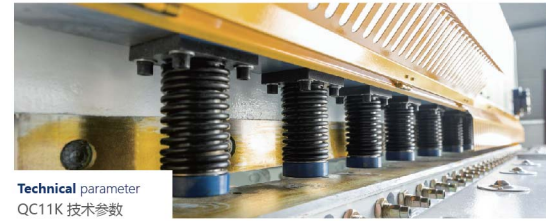
保护操作人员免受危险操作
Protect operator from dangerous operation



Technical parameter
QC12K 技术参数

型号 Model	可剪板厚 Thickness	可剪板宽 Width	剪切角 Cutting Angel	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
	(mm)	(mm)	(°)	(KN/CM)	(mm)	(T/min)	(kw)	L×W×H(mm)
4×2500	4	2500	1°30'	≤450	20-600	16	5.5	3040×1610×1620
4×3200	4	3200	1°30'	≤450	20-600	14	5.5	3840×1610×1620
4×4000	4	4000	1°30'	≤450	20-600	10	5.5	4600×1700×1700
4×6000	4	6000	1°30'	≤450	20-600	8	7.5	6460×2100×3200
6×2500	6	2500	1°30'	≤450	20-600	14	7.5	3040×1610×1620
6×3200	6	3200	1°30'	≤450	20-600	12	7.5	3840×1610×1620
6×4000	6	4000	1°30'	≤450	20-600	8	7.5	4620×1750×1700
6×5000	6	5000	1°30'	≤450	20-600	6	11	5400×1800×1900
6×6000	6	6000	1°30'	≤450	20-600	5	11	6480×2100×2300
8×2500	8	2500	1°30'	≤450	20-600	10	11	3040×1700×1700
8×3200	8	3200	1°30'	≤450	20-600	8	11	3860×1700×1700
8×4000	8	4000	1°30'	≤450	20-600	8	11	4640×1700×1700
8×5000	8	5000	1°30'	≤450	20-600	8	11	5400×2100×2000
8×6000	8	6000	1°30'	≤450	20-600	8	11	6480×2100×2350
10×2500	10	2500	2°	≤450	20-600	9	11	3040×1700×1700
10×3200	10	3200	2°	≤450	20-600	9	11	3860×1700×1700
10×4000	10	4000	2°	≤450	20-600	8	11	4650×2100×2000
10×6000	10	6000	2°	≤450	20-1000	5	15	6500×2100×2300
12×2500	12	2500	2°	≤450	20-600	9	18.5	3140×2150×2000
12×3200	12	3200	2°	≤450	20-600	9	18.5	3880×2150×2000
12×4000	12	4000	2°	≤450	20-600	8	18.5	4680×2150×2000
12×5000	12	5000	2°	≤450	20-750	6	18.5	5900×2150×2000
12×6000	12	6000	2°	≤450	20-750	5	18.5	6900×2600×2700
12×8000	12	8000	2°	≤450	20-1000	5	18.5	9000×3500×3500
16×2500	16	2500	2°30'	≤450	20-600	9	22	3140×2150×2000
16×3200	16	3200	2°30'	≤450	20-600	8	22	3880×2150×2000
16×4000	16	4000	2°30'	≤450	20-600	8	22	4650×2150×2200
16×5000	16	5000	2°30'	≤450	20-750	6	22	5900×2600×2700
16×6000	16	6000	2°30'	≤450	20-750	5	22	6900×2700×2700
16×8000	16	8000	2°30'	≤450	20-1000	5	22	9000×3500×3500
20×2500	20	2500	3°	≤450	20-1000	8	22	3440×2300×2500
20×3200	20	3200	3°	≤450	20-1000	8	22	4150×2350×2700
20×4000	20	4000	3°	≤450	20-1000	5	22	4850×2600×2700
20×6000	20	6000	3°	≤450	20-1000	4	30	6700×3000×3000
25×2500	25	2500	3°	≤450	20-1000	8	37	3200×2700×2900
25×3200	25	3200	3°	≤450	20-1000	5	37	4200×2700×2900
30×2500	30	2500	3°	≤450	20-1000	4	37	3300×2900×3000
30×3200	30	3200	3°30'	≤450	20-1000	4	40	4200×2900×3200
40×2500	40	2500	4°	≤450	20-1000	3	55	3200×3300×3000
40×3200	40	3200	4°	≤450	20-1000	3	55	4300×3300×3200

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



Technical parameter
QC11K 技术参数

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
	(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

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

WOK Series

敞开式双驱光纤激光切割机

Open-Type Double-Drive Fiber Laser Cutting Machine

- 专业的机械设计、新颖的外观造型、多项专利技术，加工精细化程度高、速度快、切缝小、断面光滑、操作简便、能耗低，适合大批量连续加工，凸显切割竞争优势。

- It is a professional machine design, novel appearance and many patented technologies. It has the advantages of high speed, small slit, smooth section, easy operation, low energy consumption , suitable for continuous processing in large quantities, and highlighting cutting competitive advantages.

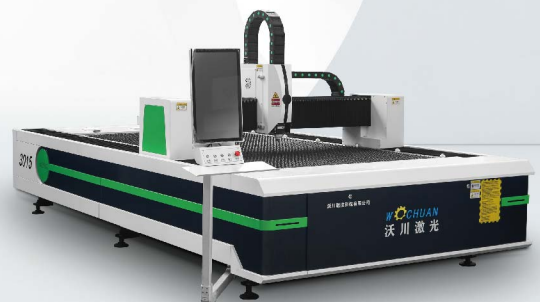
法国施耐德电气
French Schneider Electric

日本松下伺服电机
Japan Panasonic Servo Motor

应用材料 Applicable materials

专注于20mm以内碳钢，10mm以内不锈钢、镀锌板、电解板、硅钢等金属材料的高效切割。

Focus on cutting carbon steel which thickness is less than 20mm, stainless steel, galvanized sheet, electrolytic plate,silicon steel and other metal materials which thickness are less than 10mm.



品牌光纤激光器 Brand Fiber Laser

采用风冷紧凑型结构设计，以半导体光纤作激光发生介质，绿色环保，机械结构简单，光路恒定，基本免维护，切割性能稳定。

Adopts air-cooled compact structure design, semiconductor fiber as laser generation medium, green environmental protection, simple mechanical structure, constant optical path, basically maintenance free, stable cutting performance.

Cypcut和beckhoff激光切割系统
Laser Cutting System

智能可视化控制系统，操作界面更易懂，直观调节激光功率、气体类型及压力；智能寻边，自动定位，轻松实现高效生产。

Intelligent visual control system, the operation interface is easier to understand, and the laser power, gas type and pressure can be adjusted intuitively; Intelligent edge searching, automatic positioning, easy to achieve efficient production.

Technical Parameter 技术参数

型号 Model	WOK-3015	WOK-4015	WOK-4020	WOK-6015	WOK-6020	WOK-6025	WOK-8025
加工范围 Processing range	3000*1500mm	4000*1500mm	4000*2000mm	6000*1500mm	6000*2000mm	6000*2500mm	8000*2500mm
X轴行程 X-axis travel	1500mm	1500mm	2000mm	1500mm	2000mm	2500mm	2500mm
Y轴行程 Travel Y-axis	3000mm	4000mm	4000mm	6000mm	6000mm	6000mm	8000mm
Z轴行程 Z-axis travel	140mm	140mm	140mm	140mm	140mm	140mm	140mm
激光功率 laser power	1000/1500/2000/3000/4000/6000/8000/10000/12000/15000/20000W/其他						
X/Y轴定位精度 X / Y axis positioning accuracy	±±0.03mm/min						
X/Y轴重复定位精度 X / Y axis repeated positioning accuracy	±±0.02mm/min						
最大定位速度 Max. positioning speed	120m/min						

WOK Series

交换台大包围光纤激光切割机

Exchange Worktable Fiber Laser Cutting Machine

- 全新封闭式设计，双工作台快速交换，可边加工边下料，速度快、切缝小、断面光滑、操作简便、能耗低，适合大批量连续加工，凸显切割竞争优势。

- The new closed design, double table fast exchange, while processing edge cutting, fast, small slit, smooth section, easy operation, low energy consumption, suitable for large quantities of continuous processing, highlighting cutting competitive advantage.

日本新宝减速机
Japan SHIMPO Reducer

日本富士伺服电机
Japan Fuji Servo Motor

应用材料 Applicable materials

专注于20mm以内碳钢，10mm以内不锈钢、镀锌板、电解板、硅钢、铝板、铜板等金属材料的高效切割。

Focus on cutting carbon steel which thickness is less than 20mm, stainless steel, galvanized sheet, electrolytic plate,silicon steel and other metal materials which thickness are less than 10mm.

交换工作台 Exchange Table

采用风冷紧凑型结构设计，以半导体光纤作激光发生介质，绿色环保，机械结构简单，光路恒定，基本免维护，切割性能稳定。

Adopts air-cooled compact structure design, semiconductor fiber as laser generation medium, green environmental protection, simple mechanical structure, constant optical path, basically maintenance free, stable cutting performance.

品牌激光切割头 Brand Laser Head

无需人工手动调焦，软件自动调节聚焦镜，操作更简单，是人工速度的十倍。

Without manual focusing, the software automatically adjusts the focusing lens, which makes the operation easier and ten times the manual speed.

Technical Parameter 技术参数

型号 Model	WOK-3015	WOK-4015	WOK-4020	WOK-6015	WOK-6020	WOK-6025	WOK-8025	WOK-12025
加工范围 Processing range	3000*1500mm	4000*1500mm	4000*2000mm	6000*1500mm	6000*2000mm	6000*2500mm	8000*2500mm	12000*2500mm
X轴行程 X-axis travel	1500mm	1500mm	2000mm	1500mm	2000mm	2500mm	2500mm	2500mm
Y轴行程 Travel Y-axis	3000mm	4000mm	4000mm	6000mm	6000mm	6300mm	8000mm	12000mm
Z轴行程 Z-axis travel	250mm	250mm	250mm	250mm	250mm	250mm	250mm	250mm
激光功率 laser power	1000W~20000W							
X/Y轴定位精度 X/Y axis positioning accuracy	≤±0.03mm/min							
X/Y轴重复定位精度 X/Y axis repeated positioning accuracy	≤±0.02mm/min							
最大定位速度 Max. positioning speed	120m/min							

WOK Series

板管一体光纤激光切割机

Board One Fiber Laser Cutting Machine

- 管板一体切割，互换方便，不仅能切割平板，而且能满足用户进行圆管、方管切割以及成型箱体的开孔加工需求。

- Tube sheet integrated cutting, easy to exchange, can not only cut flat plate, but also meet the needs of users to cut round tube, square tube and forming box.

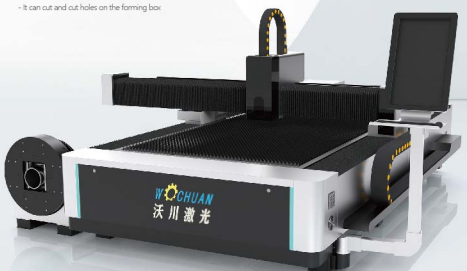
- 能在主管上切割多个不同方向、不同直径的圆管相贯线孔
- 能在圆管端部切割斜截端面
- 能切割与环形主管相交的支管相贯线端头
- 能在圆管上切割方孔、腰型孔、圆孔
- 能进行钢管截断
- 能在方管管面切割各种图形
- 能切割不同规格钢板
- 能在成型箱体上开孔、切割

- It can cut multiple intersecting line holes with different directions and diameters on the main pipe
- It can cut the oblique section end face at the end of the pipe
- It can cut the intersection line end of branch pipe intersecting with annular main pipe
- It can cut square hole, waist hole and round hole on round pipe
- The steel pipe can be cut off
- It can cut various graphics on the surface of square pipe
- It can cut steel plates of different specifications
- It can cut and cut holes on the forming box

• Die-cast Aviation Aluminum Gantry

Raytools (1.5KW-4KW)　Precitec (6KW)

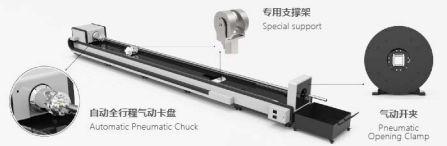
Laser Head



气动卡盘 Pneumatic Chuck

气动夹紧，夹紧力大且恒定，保证管材不松动不打滑，保证切割精度；凹凸轮支撑架，防止管材下垂变形，提高切割精度的同时延长卡盘使用寿命。

Pneumatic clamping, with large and constant clamping force, ensures that the pipe is not loose and does not slip, and ensures the cutting accuracy; the concave wheel support frame is prepared to prevent the pipe from sagging and deformation, improve the cutting accuracy and extend the service life of the chuck.



Technical Parameter 技术参数

型号 Model	WOK-3015	WOK-4020	WOK-6020	WOK-6025
切割范围 Cutting range	3000*1500mm	4000*2000mm	6000*2000mm	6000*2500mm
切管长度 Pipe cutting length	6000mm	6000mm	6000mm	6000mm
卡盘直径 Chuck diameter	220/320mm	220/320mm	220/320mm	220/320mm
激光功率 Laser power	1000W~20000W	1000W~20000W	1000W~20000W	1000W~20000W
最大定位加速度 Max. positioning acceleration	10m/s²	10m/s²	10m/s²	10m/s²
定位精度 Positioning accuracy	±0.02mm/m	±0.02mm/m	±0.02mm/m	±0.02mm/m
重复定位精度 Reposition accuracy	±0.03mm	±0.03mm	±0.03mm	±0.03mm

WOK Series

全伺服数控龙门刨槽机

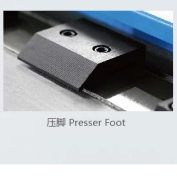
GANTRY SERVO V Groover Machine

- 龙门式，上下料方便。气冷无环境污染，3+1轴数控，伺服控制，实现全自动运行加工，提高刨槽加工精度。
- 采用进口液压控制系统作为动力，压力大，紧固可靠，噪音低，能耗小。
- 采用精研磨齿轮，45钢靴件调质斜齿条导轨传动，移动速度可变频调整，切削过程平稳。
- 数控程序设计合理，易于掌控，只须输入加工尺寸即可完成。
- 根据材质的不同，可用旋钮调整加工速度，便于操作人员操作。

- Gantry type, convenient for loading and unloading. Air cooling without environmental pollution, 3 + 1 axis numerical control, servo control, realize automatic operation processing, improve groove machining accuracy.
- The imported hydraulic control system is used as power, with high pressure, reliable fastening, low noise and low energy consumption.
- Precision grinding gear, 45 steel forging quenching and tempering helical rack guide rail drive, the moving speed can be adjusted by frequency conversion, and the cutting process is stable.
- The NC program design is reasonable, easy to control, and can be completed only by inputting the processing size.
- According to different materials, the processing speed can be adjusted by knob, which is convenient for operators.

台湾亿圆数控系统
Taiwan HUST CNC System

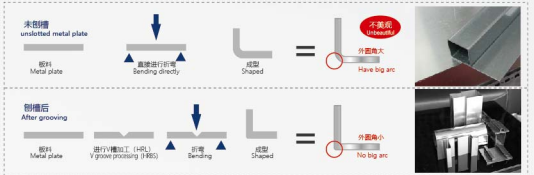
主电机 Main Motor



压脚 Presser Foot

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		ST5304&Q345	
		长度 Length	3200mm	4000mm	6000mm
		宽度 Width	1220mm		
		厚度 Thickness	0.6mm-4mm（板料平面度＜3mm）		
		最小边距 Minimum edge	8mm		
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、IC卡备组(可加SD卡扩展)20 group,10 piece 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）刨削 X axis forward-Cutting		50m/min(伺服，刨削速度可调节)/(Servo,available to adjust grooving speed)		
	横梁（X轴）回程 X axis Backward		60m/min		
	刀架（Y1轴）及辅压料（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（Y1轴）最小分辨率 Y1 Precision		0.01mm		
	刀架（Y1轴）最大距离 Y1 Stoke		1250mm		
	刀架上下（Z1轴）最小分辨率 Y1 Precision		0.01mm		
	刀架上下（Z1轴）最大距离 Z Stoke		50mm		
驱动方式 Driving Mode	横梁（X轴）X-Axis		4.5KW伺服电机 SEW Convertar Motor		
	刀架上下移动（Z轴）Z-Axis		0.85KW伺服电机 YaskawaServo Motor		
	刀架（Y1轴）		0.85KW伺服电机 YaskawaServo Motor		
	前端压料（Y2轴）		0.85KW伺服电机 YaskawaServo Motor		
夹紧装置 Clamping device	气压系统 Hydraulic		0.3-0.6Mpa		
外型尺寸 The outline dimensions	长度 Length		5200mm	6000mm	8000mm
	宽度 Width		2380mm		
	高度 Hight		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！

WOK Series

全伺服数控立式刨槽机

Vertical Servo V Groover Machine

- WOK系列刨槽机是传统刨槽机的升级产品。
- 采用框架式结构，高强度螺栓连接，整体刚性好，变形小。
- 该系列横梁固定不动，工件由后送料机构送进，工作台面采用碳素工具制作，高频表面淬火后硬度达55-60Hc（普通台面＜30hrC）使工作台硬度远大于不锈钢硬度,解决了传统机型因工作台面硬度低出现沟痕的现象，保证工作台面平面度≤+0.02，彻底解决因工作台面变形降低V型槽精度的问题,延长了设备的使用寿命。
- 工作台前后均设有托料装置，防止加工过程中板料划伤。

- The WOK series grooving machine is an upgraded product of traditional grooving machine.
- It adopts frame structure and high-strength bolt connection, with good overall rigidity and small deformation.
- The worktable is made of carbon tools. After high frequency surface quenching, the hardness of the worktable reaches 55-60hc (ordinary table surface < 30hrc), which makes the hardness of the worktable much greater than that of the stainless steel, It solves the problem of groove mark in traditional machine due to low hardness of worktable, ensures the flatness of worktable ≤ + 0.02, thoroughly solves the problem of reducing V-groove precision due to worktable deformation, and prolongs the service life of the equipment.
- The front and rear of the worktable are equipped with material supporting device to prevent the sheet metal from being scratched in the process of processing.

多种刨削模式随意切换
Various Planing Modes Can Be Switched Freely

可执行单向刨削、双向刨削、定向刨削等多种刨削自动程序，由伺服电机驱动刀架座，进刀精度 ±0.01mm。

It can execute various automatic planing programs such as one-way planing, two-way planing and directional planing. The tool holder seat is driven by the servo motor, and the feed accuracy is ± 0.01mm.

自动送料平台
Automatic Feeding

伺服电机驱动，双丝杆同步传动，确保高度平行。

Servo motor drive, double screw synchronous transmission, to ensure the height of parallel.

参数名称Technology Specification		单位Unit	参数Parameter	备注Remarks
加工板厚度	Plate thickness	mm	0.6-4	
加工板长度	Processing length	mm	4000	
加工板宽度	Processing width	mm	1250	
切削速度	Cutting speed	m/mim	0-120	
送板速度	Plate feeding speed	m/mim	0-20	
Y轴最小设定单位	The Y axis minmum setting unit	mm	0.01	
Y轴最小设定精度	The Y axis minimum setting accuracy	mm	±0.05	
Z轴最小设定单位	The Z axis minimum setting unit	mm	0.01	
Z轴最小设定精度	The Z axis minimum setting accuracy	mm	±0.05	
X轴电机功率	X axis motor power	KW	4.5	
Y轴电机功率	Y axis motor power	KW	2	
Z轴电机功率	Z axis motor power	KW	1	
外形尺寸	Dimensions(L*W*H)	mm	5800×2300×1780	
液压系统功率	The power of the hydraulic system	KW	1.5	
台面平整度	Table flatness	mm	±0.03	

参数如有变动，恕不另行通知。Parameters change without notice.