



钣金机械装备
及解决方案供应商

安徽良智数控机床制造有限公司

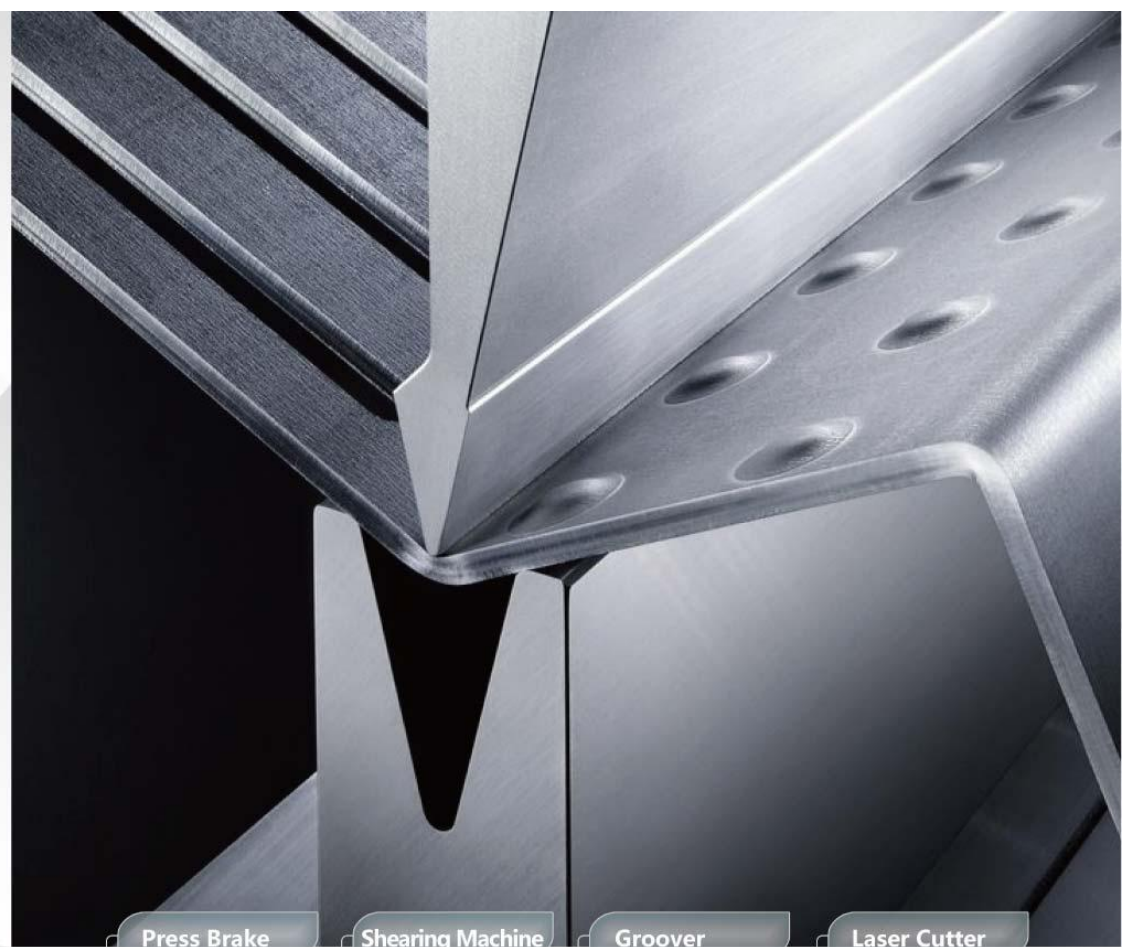
LZK CNC MACHINE TOOL (ANHUI) MANUFACTURING CO.,LTD.

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



Press Brake



Shearing Machine



Groover



Laser Cutter



引领制造 良智数控

LEADING MANUFACTURING LZK CNC

折弯机 | 剪板机 | 刨槽机 | 激光切割机



良智数控

我们致力于为工业钣金激光领域提供自动化、信息化生产智能解决方案，为更多的企业创造价值和利润。

We are committed to providing intelligent solutions for automation and information production in the field of industrial sheet metal laser, creating value and profit for more enterprises.

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LZK CNC MACHINE A GLOBAL SPECIALIST 良智数控

致力于为全球客户提供“智能化，自动化，信息化”
钣金机械加工解决方案。



享誉全球

在全世界各地建立售后服务体系,为不同的
行业客户提供全方位的钣金应用解决方案

Set up after-sales service system all over the world to
provide all-round sheet metal application solutions
for customers in different industries

90 多个国家或地区有分支机构,
产品畅销于180个国家或地区

37,000 占地面积

1000万

2019年销售额

关于良智数控

安徽良智数控机床制造有限公司位于剪、折生产基地的安徽省马鞍山市,经过多年不懈努力,公司拥有液压和数控上辊卷板机、液压和数控摆式、闸式剪板机、液压和数控折弯机、双机联动折弯机;开卷平整线及各种非标剪、折、卷机床的设计和制造能力。产品广泛适用于:轻工、航空、船舶冶金、仪表、电器、不锈钢制品、建筑及装潢行业,产品畅销国内,并远销欧美和东南亚地区,产品质量和售后服务深受用户好评。

公司是国家机械工业骨干企业,拥有雄厚的技术力量和加工设备,生产检测设备齐全,产品采用国家标准生产。多年来,一直致力于钣金机床的研究和创新,对产品的销售和售后服务是不遗余力,先后在国内外建立了较为完善的集售前、售中、售后服务于一体的分公司,竭尽所能满足国内外客户的需求。

新世纪,新机遇,良智数控与广大客户携手并进,共同发展。
公司全体员工热忱欢迎国内外用户光临选用!

LZK CNC MACHINE TOOL (ANHUI) MANUFACTURING CO.,LTD. is placed as a professional leading manufacturer and global supplier of sheet metal working machinery. The company was founded in Oct. 1990, starting manufacturing from 1988, it is a high technique corporation and locates in National park technology compact district area—Bowang industry area, 20KM away to the Lukou International Airport of Nanjing and 50KM away to the Nanjing Nan train station with convenient transportation.

The company's registered capital is around USD 500,000.00, occupy 700,000.00 square meters with a production workshop of 40,000.00 square meters, making it one of Chinese largest facility for professional sheet metal fabrication machinery. The total workforce at LZK is currently numbered at 150 employees and is composed of highly trained and qualified machine operators and assembly technicians supported LZK products are manufactured with the Chinese AAA level good standardization and accredited for the ISO 9001:2008 and CE Certification is optional. In the past years LZK has progressed to become a major exporter of sheet metal machineries to the world markets with customers located in all the machine tools consuming countries.

LZK is currently represented in over 60 countries and regions worldwide through appointed dealers. Here,with a long and strong engineering experience behind,LZK wishes to present itself as a quality-conscious, professional machinery building company serving the industry.

PRESS BRAKE LZK CNC MACHINE TOOL 良智数控



WC67K SERIES 扭轴同步数控折弯机 Synchronous Torque CNC Press Brake

性能特点 Features

采用大型落地镗铣床对折弯机架进行整体加工。
取压材质轴体，刚性大弹性好，有微调装置，抗偏载器。
用户可定制模具分段10,15,20,30,50,100,300(cm)。
采用ESTUN或DELEM品牌数控系统，供用户选配。
数控系统中输入板厚及长度参数，系统将自动进行挠度补偿。
采用滚珠丝杆及直线导轨，由伺服电机驱动，后挡料定位快速精准。
挡指高度由整体调节设计，可手动调节挡指高度。
提高更换模具更换速度，提升工作效率。

The bending machine frame is integrally processed by a large floor boring and milling machine.
The forged material shaft body has good rigidity and elasticity, and has a fine adjustment device, which is weak against the partial load.
The user can customize the mold segments 10, 15, 20, 30, 50, 100, 300 (cm).
Use ESTUN or DELEM brand CNC system for users to choose.
In the system, the plate thickness and length parameters are input, and the system will automatically perform deflection compensation.
It adopts ball screw and linear guide, which is driven by servo motor, and the back gauge is positioned quickly and accurately.
The height of the finger is designed from the overall adjustment, and the height of the finger can be adjusted manually.
Improve the replacement mold speed and improve work efficiency.

可选数控/Optional CNC



ESTUN E21



ESTUN E200P



ESTUN E300



DELEM DA41S

PRODUCT FEATURES

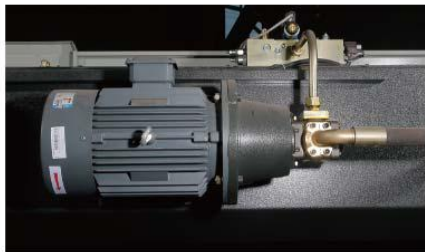
WC67K系列扭轴同步数控折弯机

产品特点



高精度后挡料/Premium Backgauge

配备高效伺服电机、滚珠丝杆、直线导轨，运行精度高，速度快。
Equipped with high efficient servo motor, ball screw, linear guide rail, high precision operation, fast speed.



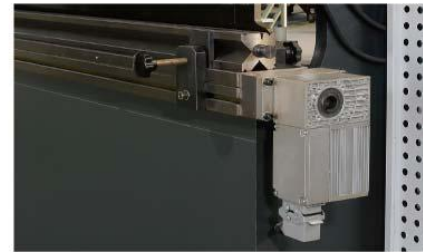
油泵电机/Oil pump motor

西门子电机，动力强劲。
Siemens motor, power strong.



施耐德电器元件/Schneider electric

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.



机械补偿(可选) Mechanical compensation(optional)

机械补偿，不会出现漏油等状况，故障率低且环保。

Mechanical compensation, there will be no state such as oil leakage, low fault rate and environmental protection.

技术参数 Technical Parameters

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 (mm)	主电机功率 Power (kw)	机器重量 Weight (kg)	外形尺寸 Dimension LxWxH(mm)
40T/1600	400	1600	1200	200	100	320	5.5	2500	1800x1200x1800
40T/2000	400	2000	1600	200	100	320	5.5	3000	2300x1280x2100
50T/2500	500	2500	1900	200	100	320	5.5	3400	2850x1800x2200
63T/2500	630	2500	1960	250	120	345	5.5	3800	2850x1800x2300
63T/3200	630	3200	2600	250	120	345	5.5	4300	3500x1800x2300
80T/2500	800	2500	1960	250	120	350	5.5	4800	2900x1800x2350
80T/3200	800	3200	2600	250	120	350	5.5	5400	3700x1800x2400
80T/4000	800	4000	3200	250	120	350	5.5	6500	4300x1800x2400
100T/2500	1000	2500	1960	320	120	380	7.5	5600	2900x1800x2450
100T/3200	1000	3200	2600	320	120	380	7.5	6600	3800x1800x2500
100T/4000	1000	4000	3200	320	120	380	7.5	7800	4400x1800x2500
125T/2500	1250	2500	1960	320	120	380	7.5	6200	3000x1800x2500
125T/3200	1250	3200	2600	320	120	380	7.5	6800	3800x1850x2500
125T/4000	1250	4000	3200	320	120	380	7.5	7500	4400x1850x2500
160T/3200	1600	3200	2600	320	200	450	11	9500	3900x1900x2650
160T/4000	1600	4000	3200	320	200	450	11	11000	4500x1900x2650
160T/5000	1600	5000	4000	320	200	450	11	13000	5500x2000x2700
160T/6000	1600	6000	4800	320	200	450	11	16000	6500x2000x3100
200T/3200	2000	3200	2600	350	250	500	15	10000	3900x2000x2650
200T/4000	2000	4000	3200	350	250	500	15	15000	4500x2000x2700
200T/5000	2000	5000	4000	350	250	500	15	17000	5500x2000x2700
200T/6000	2000	6000	4800	350	250	500	15	19000	6500x2000x2800
250T/3200	2500	3200	2600	350	250	520	18.5	13000	3900x2050x2850
250T/4000	2500	4000	3200	350	250	520	18.5	16000	4500x2050x2850
250T/5000	2500	5000	4000	350	250	520	18.5	18000	5500x2050x2850
250T/6000	2500	6000	4800	400	250	520	18.5	20500	6500x2150x2900
300T/3200	3000	3200	2600	400	250	520	22	14500	4000x2100x2980
300T/4000	3000	4000	3200	400	250	520	22	17000	4500x2100x2980
300T/5000	3000	5000	4000	400	250	520	22	19000	5500x2150x2980
300T/6000	3000	6000	4800	400	250	520	22	21500	6500x2150x2980
400T/4000	4000	4000	3200	400	250	540	30	26000	4500x2300x3450
400T/5000	4000	5000	4000	400	250	540	30	29000	5500x2300x3450
400T/6000	4000	6000	4800	400	250	540	30	34000	6500x2300x3500
500T/4000	5000	4000	3200	400	300	620	37	30000	4500x2450x3600
500T/5000	5000	5000	4000	400	300	620	37	36000	5500x2450x3600
500T/6000	5000	6000	4800	400	300	620	37	48000	6500x2500x3700
600T/4000	6000	4000	3200	400	300	620	45	40000	4500x2500x3700
600T/6000	6000	6000	4800	400	300	620	45	50000	6500x2600x3800

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

PRESS BRAKE LZK CNC MACHINE TOOL 良智数控



WC67D SERIES 伺服扭轴智能数控折弯机 Servo Torque Intelligent CNC Press Brake

性能特点 Features

采用大型落地镗铣床对折弯机架进行整体加工。
锻压材质轴体，刚性大弹性好，有微调装置，抗偏载弱。
双伺服各独立控制Y1Y2油缸，系统自动检测并修正Y1Y2的位置差，以达到等同于电液伺服的同步精度。
采用专业数控系统：SNC53，大触摸屏，彩色显示。
数控系统中输入板厚及长度参数，系统将自动进行挠度补偿。
采用滚珠丝杆及直线导轨，由伺服电机驱动，后挡料定位快速精准。
挡指高度由整体调节设计，可手动调节挡指高度，提高更换模具更换速度，提升工作效率。

The bending machine frame is integrally processed by a large floor boring and milling machine.
The forged material shaft body has good rigidity and elasticity, and has a fine adjustment device, which is weak against the partial load.
The system automatically detects and corrects the position difference of y1y2, so as to achieve the synchronization accuracy equivalent to the electro-hydraulic servo.
Adopt professional CNC system: snc53, large touch screen, color display.
In the data system, input the parameters of plate thickness and length, and the system will automatically compensate the deflection.
It adopts ball screw and linear guide, which is driven by servo motor, and the back gauge is positioned quickly and accurately.
The height of the finger is designed from the overall adjustment, and the height of the finger can be adjusted manually.

SNC-53数控/SNC-53 CNC



- CAN总线方式控制X、Y轴双伺服
- 工件计数 单边定位
- 100个程序存储，每个程序25工步
- 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
- 预留安全接口
- 7"彩色LCD高清显示屏
- 公/英制，中/英文
- USB接口
- CAN-bus mode to control servo system of X axis
- Parts counting
- 40 programs saving, each with 25 sequences
- One side positioning
- Built-in time relay for cutting time and retract
- One key backup/restore of parameters
- Online diagnosis and real-time alarm
- Reserved ports for safety guard
- 7"Color LCD bright display
- mm/inch, Chinese/English

PRODUCT FEATURES

WC67D系列伺服扭轴智能数控折弯机 产品特点



1 精密快速夹紧装置

换模方便快捷,降低劳动强度,提高生产效率

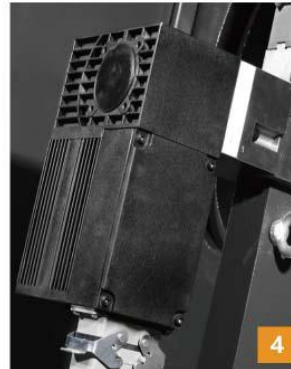
High precision and fast clamping system:
Fast and easy to change the tooling, decreasing labour strength and enhance productivity.



2 后挡料系统, 定位更快更准确

采用钢结构焊接, 刚性高, 伺服电机、滚珠丝杠、直线导轨驱动, 保证高精度运行。四角安装固定螺钉可以快速调整。

Precise back gauge system for faster and more accurate positioning
The back gauge is welded by steel structure, has high rigidity, and is driven by servo motor, ball screw and linear guide to ensure high precision operation. The four-corner mounting set screws can be quickly adjusted.



3 喉口变形补偿装置

精确测出变形量并反馈补偿, 确保折弯精度, 并能有效防止非标工件碰撞干涉光栅尺子

With independent patent compensates deformed of throat depth:
Exact measured distortion and feedback compensation, to ensure the precision of the bending, effectively prevent non-standard workpiece collision linear scales.



4 机械补偿

机械补偿, 不会出现漏油等状况, 故障率低且环保。

Mechanical compensation, there will be no state such as oil leakage, low fault rate and environmental protection.



5 优质扭轴同步结构, 轴强度高, 弹性好

轴体采用传统锻回火工艺, 强度高, 弹性好, 设计可调。

High quality torsion shaft synchronization structure, high shaft strength and good elasticity
The shaft body adopts the traditional forging and tempering process, which has high strength, good elasticity and adjustable design.

6 移动前托料架

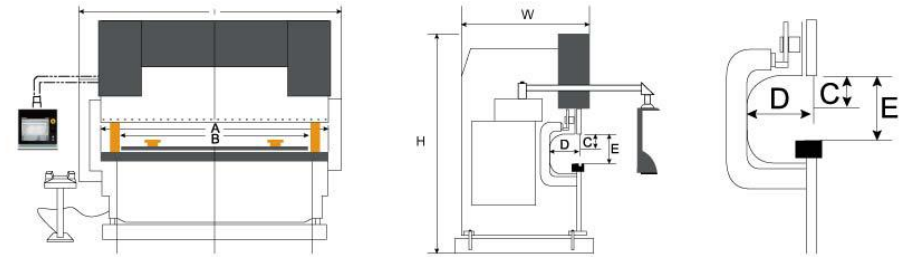
沿直线导轨移动, 可任意位置停靠, 辅助您的折弯工作, 使工作变得舒适、高效

Moveable front support system, to help you to bend, make a comfortable and efficient working

出色的折弯质量 EXCELLENT BENDING QUALITY

WC67D系列伺服扭矩智能数控折弯机

WC67D系列折弯机，持久精确
稳固机架确保精度
最短的模具安装时间
先进驱动技术实现最佳折弯力传递
机械补偿确保折弯角度一致



技术参数 Technical Parameters

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 (mm)	主电机功率 Power (kw)	机器重量 Weight (kg)	外形尺寸 Dimension LxWxH(mm)
40T/1600	400	1600	1200	200	100	320	5.5	2500	1800x1200x1800
40T/2000	400	2000	1600	200	100	320	5.5	3000	2300x1280x2100
50T/2500	500	2500	1900	200	100	320	5.5	3400	2850x1800x2200
63T/2500	630	2500	1960	250	120	345	5.5	3800	2850x1800x2300
63T/3200	630	3200	2600	250	120	345	5.5	4300	3500x1800x2300
80T/2500	800	2500	1960	250	120	350	5.5	4800	2900x1800x2350
80T/3200	800	3200	2600	250	120	350	5.5	5400	3700x1800x2400
80T/4000	800	4000	3200	250	120	350	5.5	6500	4300x1800x2400
100T/2500	1000	2500	1960	320	120	380	7.5	5600	2900x1800x2450
100T/3200	1000	3200	2600	320	120	380	7.5	6600	3800x1800x2500
100T/4000	1000	4000	3200	320	120	380	7.5	7800	4400x1800x2500
125T/2500	1250	2500	1960	320	120	380	7.5	6200	3000x1800x2500
125T/3200	1250	3200	2600	320	120	380	7.5	6800	3800x1850x2500
125T/4000	1250	4000	3200	320	120	380	7.5	7500	4400x1850x2500
160T/3200	1600	3200	2600	320	200	450	11	9500	3900x1900x2650
160T/4000	1600	4000	3200	320	200	450	11	11000	4500x1900x2650
160T/5000	1600	5000	4000	320	200	450	11	13000	5500x2000x2700
160T/6000	1600	6000	4800	320	200	450	11	16000	6500x2000x3100
200T/3200	2000	3200	2600	350	250	500	15	10000	3900x2000x2650
200T/4000	2000	4000	3200	350	250	500	15	15000	4500x2000x2700
200T/5000	2000	5000	4000	350	250	500	15	17000	5500x2000x2700
200T/6000	2000	6000	4800	350	250	500	15	19000	6500x2000x2800
250T/3200	2500	3200	2600	350	250	520	18.5	13000	3900x2050x2850
250T/4000	2500	4000	3200	350	250	520	18.5	16000	4500x2050x2850
250T/5000	2500	5000	4000	350	250	520	18.5	18000	5500x2050x2850
250T/6000	2500	6000	4800	400	250	520	18.5	20500	6500x2150x2900
300T/3200	3000	3200	2600	400	250	520	22	14500	4000x2100x2980
300T/4000	3000	4000	3200	400	250	520	22	17000	4500x2100x2980
300T/5000	3000	5000	4000	400	250	520	22	19000	5500x2150x2980
300T/6000	3000	6000	4800	400	250	520	22	21500	6500x2150x2980
400T/4000	4000	4000	3200	400	250	540	30	26000	4500x2300x3450
400T/5000	4000	5000	4000	400	250	540	30	29000	5500x2300x3450
400T/6000	4000	6000	4800	400	250	540	30	34000	6500x2300x3500
500T/4000	5000	4000	3200	400	300	620	37	30000	4500x2450x3600
500T/5000	5000	5000	4000	400	300	620	37	36000	5500x2450x3600
500T/6000	5000	6000	4800	400	300	620	37	48000	6500x2500x3700
600T/4000	6000	4000	3200	400	300	620	45	40000	4500x2500x3700
600T/6000	6000	6000	4800	400	300	620	45	50000	6500x2600x3800

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

PRESS BRAKE LZK CNC MACHINE TOOL 良智数控



HPB SERIES 伺服电液数控折弯机 Servo Electro-hydraulic CNC Press Brake

性能特点 Features

机身采用整体焊接及整体加工结构，机身主要部件均采用ANSYS有限元分析软件进行分析，确保了机床的可靠性及整机的精度；
数控系统采用荷兰DELEM、意大利ESA或瑞士CYBELEC公司的电液伺服折弯机专用数控系统，可实现折弯角度图形编程、角度修正补偿，折弯压力自动计算与自动调整，自动计算工作台变形补偿量、工件展开长度、压底折弯压力、开口距离、后挡料自动退让等功能。

The machine is in an overall welding and overall processing structure, and the main parts of machine are all analyzed by ANSYS finite element analysis software, which has ensured the reliability of machine and the precision of entire machine.
The CNC control system adopts Netherland DELEM, Italian ESA, or Swiss CYBELEC products, which can achieve the functions of graphic programming for bending angle, compensation for angle amendment, automatic calculation also adjustment of bending pressure, automatic calculation of compensation for workbench distortion, extending length of workpieces, bending pressure for bottom bending, open distance, and automatic withdrawal of rear stopper, etc.

可选数控/Optional CNC



CYBELEC CT12 ESA S630 DELEM DA53T DELEM DA58T DELEM DA66T DELEM DA69T

PRODUCT FEATURES

HPB系列伺服电液数控折弯机

产品特点

精密快速夹紧装置/ Precision Fast Clamping System

一键式快速夹紧、松开模具，可实现夹具底部与侧向双向模具安装与更换，可以有效地减少模具更换时间，提高生产效率，且承载能力更大。

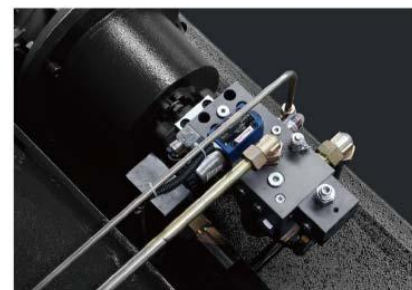
One-click rapid clamping and releasing the upper tooling, fixtures can be realized at the bottom and lateral two-way upper tooling installation and replacement, can effectively reduce changeover time and improve production efficiency.



移动前托料架/Mobile Front Support

沿直线导轨移动，可任意位置停靠，辅助您的折弯工作，使工作变得舒适、高效。

Moveable front support system, to help you to bend, make a comfortable and efficient working.



品牌液压系统/Brand Hydraulic System

我们的折弯机采用 BOSCH-REXROTH 集成液压控制系统，使其更可靠，更易于维护。

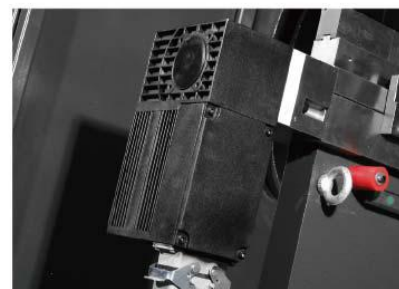
Our press brake machine uses BOSCH-REXROTH integrated hydraulic control system that limits the number of pipe connections, making it more reliable and easy for maintenance.



伺服驱动/Servo Drive

Estun 伺服驱动有助于确保精度。

The Estun servo drive will be helpful to ensure the accuracy.



机械补偿/Mechanical Compensation

机械补偿，不会出现漏油等状况，故障率低且环保。

Mechanical compensation, there will be no state such as oil leakage, low fault rate and environmental protection.



高精度后挡料/Premium Backgauge

配备高效伺服电机、滚珠丝杆、直线导轨，运行精度高，速度快。

Equipped with high efficient servo motor, ball screw, linear guide rail, high precision operation, fast speed.

折弯更自如 MORE FLEXIBLE BENDING

HPB系列伺服电液数控折弯机

多种机床配置选择
多种吨位及折弯长度选择
多种后挡料、控制系统和上下料辅助选择
可以选择自由折弯、硬折弯和
ACB角度测量折弯



技术参数 Technical Parameters

机床型号	Model (HPB)	63T/2500	80T/3200	110T/3200	110T/4000	130T/3200	130T/4000	170T/3200	170T/4000	200T/3200
公称力	Normal Force (KN)	630	800	1100	1100	1300	1300	1700	1700	2000
折弯长度	Bending Length (mm)	2500	3200	3200	4000	3200	4000	3200	4000	3200
立柱间距	Vertical Distance (mm)	1960	2600	2600	3200	2600	3200	2600	3200	2600
喉口深度	Throat Depth (mm)	400	400	400	400	400	400	400	400	400
滑块行程	Stroke (mm)	150	200	200	200	200	200	200	200	200
装模高度	Max. Opening(mm)	480	480	480	480	480	480	480	480	480
主电机功率	Main Power (KW)	5.5	7.5	7.5	7.5	11	11	11	11	15
控制轴数	Axes	3+1(Y1, Y2, X, V)								
补偿方式	Compensation	液压补偿 机械补偿								
后挡料行程	X-travel (mm)	500								
后挡料速度	X-speed (mm)	200mm/s								
机身长度	Overall Length (mm)	2850	3850	3850	4610	3850	4610	3900	4650	3900
机身宽度	Overall Width (mm)	1750	1850	1850	1850	1850	1850	1900	1900	1900
机身高度	Overall Height (mm)	2350	2550	2600	2700	2600	2700	2600	2700	2700
重量(约)	Approx. Weight (Ton)	6	7.2	8.0	10.5	9	11.5	10.5	12.5	12

机床型号	Model (HPB)	200T/4000	250T/3200	250T/4000	320T/3200	320T/4000	400T/4000	500T/6000	600T/6000	800T/6000
公称力	Normal Force (KN)	2000	2500	2500	3200	3200	4000	5000	6000	8000
折弯长度	Bending Length (mm)	4000	3200	4000	3200	4000	4000	5000	6000	6000
立柱间距	Vertical Distance (mm)	3200	2600	3200	2600	3200	3200	4900	4900	4720
喉口深度	Throat Depth (mm)	400	400	400	400	400	400	500	500	700
滑块行程	Stroke (mm)	200	200	200	200	200	320	320	320	400
装模高度	Max. Opening(mm)	480	480	480	480	480	600	600	600	600
主电机功率	Main Power (KW)	15	15	15	22	22	30	37	45	55
控制轴数	Axes	3+1(Y1, Y2, X, V)								
补偿方式	Compensation	机械补偿								
后挡料行程	X-travel (mm)	500						800		
后挡料速度	X-speed (mm)	200mm/s								
机身长度	Overall Length (mm)	4700	3900	4650	3930	4830	4850	6500	6500	6500
机身宽度	Overall Width (mm)	1900	2100	2100	2110	2110	2450	2810	2910	2950
机身高度	Overall Height (mm)	2700	2800	2850	3200	3200	3500	4500	5100	5300
重量(约)	Approx. Weight (Ton)	13	14	15.5	19	22	28	42	50	75

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

PRESS BRAKE LZK CNC MACHINE TOOL 良智数控



SPB SERIES

单/双伺服电液数控折弯机

Single/Double Servo Electro-hydraulic CNC Press Brake

性能特点 Features

油电混合驱动折弯机为目前国内折弯机中最新顶级技术，相对电液同步折弯机来说，它的液压同步工作依靠大功率双伺服泵完成，无须依靠节流阀来控制油缸，工作时液压油温度不会上升，达到延长液压系统使用寿命的目的。所以此机型具备电液同步所有优点，还有高效、节能、静音、耐用的特点。

The oil-electric hybrid drive bending machine is the latest top technology in the domestic bending machine. Compared with the electro-hydraulic synchronous bending machine, its hydraulic synchronization work depends on high-power dual servo pumps, and it does not need to rely on throttle valves to control the cylinder. The temperature of the hydraulic oil will not rise during work. To extend the working life of hydraulic system. Therefore, this model has all the advantages of electrohydraulic synchronization, as well as the characteristics of high efficiency, energy saving, silent sound, and durability.

可选数控/Optional CNC



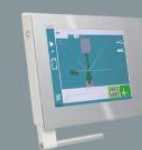
ESA S640



DELEM DA69T



CYBELEC CT12



CYBELEC I5

PRODUCT FEATURES

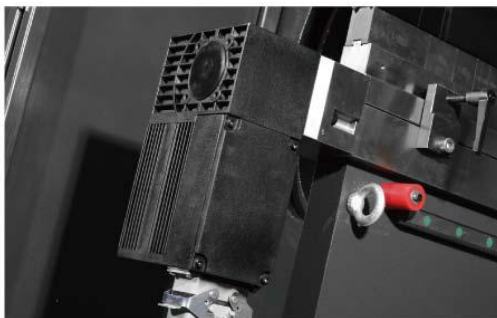
SPB系列单/双伺服电液数控折弯机 产品特点



双伺服泵控/Double servo pump control

双伺服泵控系统，动作快速平稳，响应速度大大超越比例阀控制，折弯循环时间比电液同步数控折弯机快 30%，其能耗也只有电液同步数控折弯机的 40%-60% 左右，同时该系统具有低噪音、高效等特点。

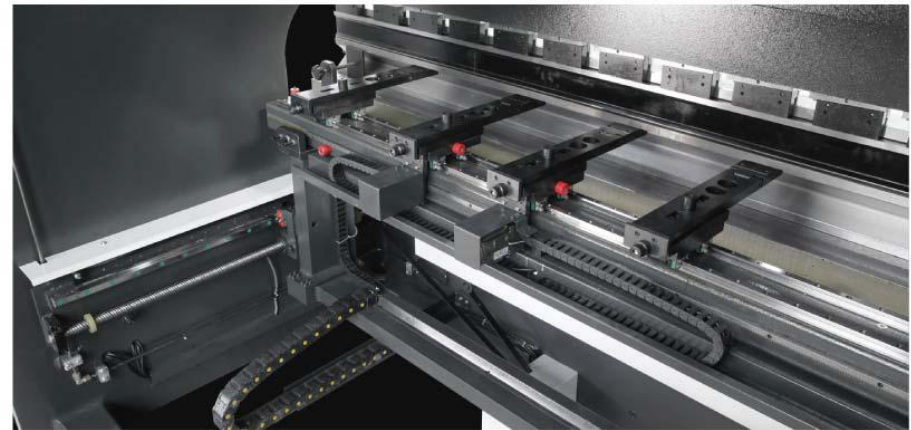
Double servo pump control system has the advantages of fast and stable action, much faster response speed than the proportional valve control, 30% faster bending cycle time than the electro-hydraulic synchronous CNC bending machine, and its energy consumption is only about 40% - 60% of the electro-hydraulic synchronous CNC bending machine. At the same time, the system has the characteristics of low noise and high efficiency.



高精度机械补偿装置/ Mechanical compensation

高精度斜楔补偿装置，通过 CNC 数控系统控制，得到精密补偿，保证高质量折弯精度。

High precision wedge compensation device by CNC control, got the precise compensation, ensuring high quality bending accuracy.



精确稳固的后挡料系统/ Accurate Solid Backgauge

新颖独特的双直线导轨结构，确保极佳的定位精度。多级挡位设计，加大定位范围，物超所值。

Unique dual linear guide rail structure, ensuring excellent positioning accuracy. Design of multistage gear, increase the positioning range, excellent value.



技术参数 Technical Parameters

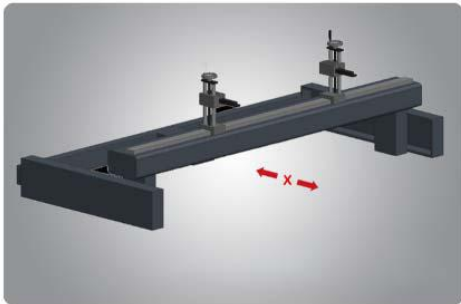
机床型号 Model	折弯力 Nominal Pressure (kN)	可折长度 Max bending width (mm)	立柱间距 Distance between uprights (mm)	喉口深度 Throat depth (mm)	油缸行程 Cylinder stroke (mm)	开口高度 Opening Height (mm)	电动机功率 Main power (kW)	液压流量 Oil volume (L)	速度 Speed (mm/s)			外形尺寸 Dimension(mm)				重量 Weight (kg)
									喂进 Approaching speed	压制 Working speed	回程 Returning speed	长 Length	宽 Width	高 Height		
80/2500	800	2500	2000	400	200	480	6×2	34.5×2	130	10	130	3850	1850	2550	7200	
110/3200	1100	3200	2600	400	200	480	6×2	34.5×2	130	10	130	3850	1850	2600	8000	
110/4100	1100	4100	3200	400	200	480	6×2	34.5×2	130	10	130	4610	1850	2700	10500	
170/3200	1700	3200	2600	400	200	480	10.2×2	50×2	130	10	130	3900	1900	2600	10500	
170/4100	1700	4100	3200	400	200	480	10.2×2	50×2	130	10	130	4630	1900	2700	12500	

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

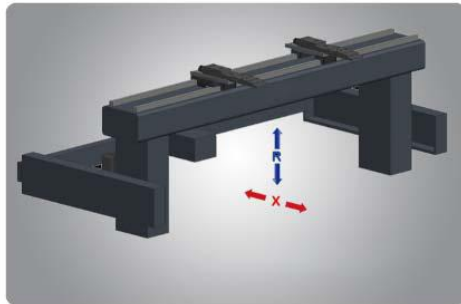
PRODUCT FEATURES

折弯机后挡料 (可选配)

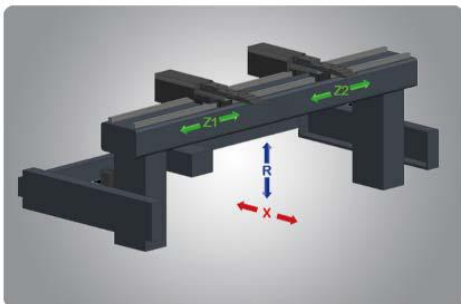
产品特点



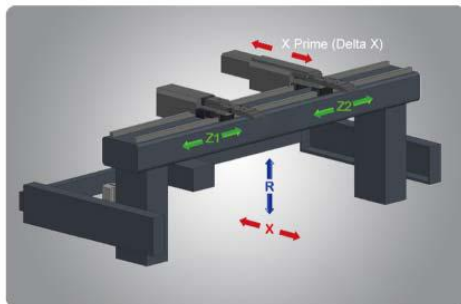
1轴后挡料
1 axis back gauge(X)



2轴后挡料
2 axis back gauge(X,R)



4轴后挡料
4 axis back gauge(X,R,Z1,Z2)



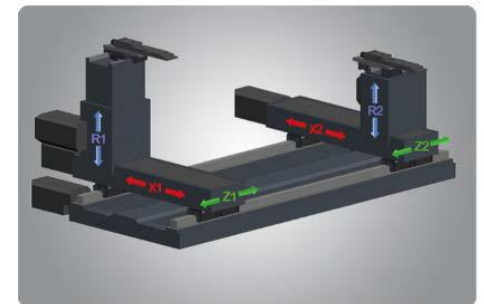
5轴后挡料
5 axis back gauge(X,R,Z1,Z2,X Prime)



6轴后挡料/
6 axis back gauge(X,R,Z1,Z2,X Prime)

折弯机六轴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。

6 axis back gauge of press brake includes high rigidity big base, X-axis driving mechanism, R-axis driving mechanism and z-axis driving mechanism; it can automatically adjust the stopper finger to the required accurate position according to the needs of processing parts, so as to ensure the accurate positioning of the workpiece, so as to process the workpiece meeting the requirements.



SHEARING MACHINE

LZK CNC MACHINE TOOL

良智数控



HS SERIES

液压摆式 (数控) 剪板机

Hydraulic Swing Beam (CNC) Shearing Machine

性能特点 Features

主机采用QC12Y系列机型，配经济型专用数控系统；
后挡料位置实时显示；
多工步编程功能，后挡料自动运行、连续定位，实现后挡料位置的自动精确调节；
剪切计数功能，实时显示剪切数量，断电记忆后挡料位置、程序及参数；
后挡料采用进口滚珠丝杆，确保了后挡料的定位精度，机器加工精度更高。

The host adopts the QC12Y series model, with the economical special numerical control system;
The post - block position is displayed in real time;
Multi-step programming function, after the automatic operation and continuous positioning of the material, the automatic accurate adjustment of the post - block position;
The shearing count function shows the shear number in real time;
The rear block adopts the inlet ball screw to ensure the positioning accuracy of the rear retaining material, and the machining precision is higher.

可选数控/Optional CNC



ESTUN E21S



ESTUN E200PS



DELEM DAC310



DELEM DAC360

PRODUCT FEATURES

HS系列液压摆式(数控)剪板机

产品特点



工作台钢球传送结构/Working table steel ball

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 workpiece surface is not scratched.



西门子电机
Siemens motor

我公司的剪板机采用世界著名品牌“西门子”电机,不仅工作噪音低,而且使用寿命长。

The motor of our shearing machine is adopt world famous brand "Siemens", which will not only has low noise during working of the machine but also has longer service life.



美国Sunny油泵
Sunny oil pump

惊人的低噪音,由高强度铸铁制成,独特的内部降噪设计,对油污的敏感性低,使用寿命长。

Amazing low noise, made of high strength cast iron and unique design for inner noise reduction, Low sensitivity to oil pollution and assure of long service life.



液阀组
Hydraulic Valve

博世(力士乐)集成液压系统结构紧凑,采用电液比例压力阀,可对整个过程的压力进行程控,保证整机性能稳定可靠。

The BOSCH (Rexroth) integrated hydraulic system is compact. Adopts electro-hydraulic proportional pressure valve, and the whole process pressure can be programmed and controlled to ensure stable and reliable machine performance.

高精度后挡料/ Premium Backgauge

精密滚珠丝杆 + 直线导轨结构,设计独特的同步传动机构,稳定可靠。

Accuracy ball screw+linear guide construction, Synchronous transmission construction of unique design, stable and reliable.



技术参数 Technical Parameters

型号 Model	可剪板厚 Thickness (mm)	可剪板宽 Width (mm)	剪切角 Cutting Angle (°)	材料强度 Material Intension (KN/CM)	后挡料行程 Backgauge Travel (mm)	剪切次数 Cutting Times (T/min)	主电机功率 Power (kw)	重量(约) Weight (kg)	外形尺寸 Overall Dimension L×W×H(mm)
4×2500	4	2500	1°30'	≤450	20-600	16	5.5	3500	3300×1610×1620
4×3200	4	3200	1°30'	≤450	20-600	14	5.5	4500	3840×1610×1620
4×4000	4	4000	1°30'	≤450	20-600	10	5.5	6500	4600×1700×1700
4×6000	4	6000	1°30'	≤450	20-600	8	7.5	11000	6460×2100×3200
6×2500	6	2500	1°30'	≤450	20-600	14	7.5	5000	3400×1610×1620
6×3200	6	3200	1°30'	≤450	20-600	12	7.5	6000	3840×1610×1620
6×4000	6	4000	1°30'	≤450	20-600	8	7.5	8200	4620×1750×1700
6×5000	6	5000	1°30'	≤450	20-600	6	11	10500	5400×1800×1900
6×6000	6	6000	1°30'	≤450	20-600	5	11	16500	6480×2100×2300
8×2500	8	2500	1°30'	≤450	20-600	10	7.5	6000	3400×1700×1700
8×3200	8	3200	1°30'	≤450	20-600	8	7.5	7200	3860×1700×1700
8×4000	8	4000	1°30'	≤450	20-600	8	7.5	8800	4640×1700×1700
8×5000	8	5000	1°40'	≤450	20-600	8	11	11500	5400×2100×2000
8×6000	8	6000	1°40'	≤450	20-600	8	11	18000	6480×2100×2350
10×2500	10	2500	2°	≤450	20-600	9	11	7300	3400×1700×1700
10×3200	10	3200	2°	≤450	20-600	9	11	8000	3860×1700×1700
10×4000	10	4000	2°	≤450	20-600	8	11	12050	4650×2100×2000
10×6000	10	6000	2°	≤450	20-1000	5	15	24000	6500×2100×2300
12×2500	12	2500	2°	≤450	20-600	9	18.5	9000	3500×2150×2000
12×3200	12	3200	2°	≤450	20-600	9	18.5	10800	3880×2150×2000
12×4000	12	4000	2°	≤450	20-1000	8	18.5	13000	4680×2150×2000
12×5000	12	5000	2°	≤450	20-1000	6	18.5	16000	5900×2150×2000
12×6000	12	6000	2°	≤450	20-1000	5	18.5	29500	6900×2600×2700
12×8000	12	8000	2°	≤450	20-1000	5	18.5	46500	9000×3500×3500
16×2500	16	2500	2°20'	≤450	20-600	9	22	11000	3500×2150×2000
16×3200	16	3200	2°20'	≤450	20-600	8	22	13000	3880×2150×2000
16×4000	16	4000	2°20'	≤450	20-1000	8	22	16300	4650×2150×2200
16×5000	16	5000	2°20'	≤450	20-1000	6	22	20000	5900×2600×2700
16×6000	16	6000	2°20'	≤450	20-1000	5	22	36000	6900×2700×2700
16×8000	16	8000	2°20'	≤450	20-1000	5	22	75000	9000×3500×3500
20×2500	20	2500	2°30'	≤450	20-1000	8	22	15800	3600×2300×2500
20×3200	20	3200	2°30'	≤450	20-1000	8	22	18500	4150×2350×2700
20×4000	20	4000	2°30'	≤450	20-1000	5	22	21500	4850×2600×2700
20×6000	20	6000	2°30'	≤450	20-1000	4	30	47000	6700×3000×3000
25×2500	25	2500	3°	≤450	20-1000	8	30	19000	3600×2700×2900
25×3200	25	3200	3°	≤450	20-1000	5	30	23000	4200×2700×2900
30×2500	30	2500	3°	≤450	20-1000	4	37	23500	3700×2900×3000
30×3200	30	3200	3°30'	≤450	20-1000	4	45	26000	4200×2900×3200
40×2500	40	2500	4°	≤450	20-1000	3	55	38000	3600×3300×3000
40×3200	40	3200	4°	≤450	20-1000	3	55	49000	4300×3300×3200

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

SHEARING MACHINE

LZK CNC MACHINE TOOL

良智数控



HG SERIES

液压闸式(数控)剪板机

Hydraulic Guillotine (CNC) Shearing Machine

性能特点 Features

采用三点支撑滚动导轮结构；
刀架剪切角可在范围内调整；
剪切行程可任意调整；
手动抬开后挡料功能；
墙板上设有加油泵润滑装置。
标配E21S数控系统，控制剪切计数、
后挡料；
可选配DAC360等多种数控系统。

The rolling guide structure is supported by three points;
The shear Angle of the tool holder can be adjusted in the range;
Shear travel can be adjusted arbitrarily;
Manual lifting of the retaining function;
The inside of the wallboard is equipped with a lubricating oil pump;
The standard E21S numerical control system controls the cut count and the post-block;
A variety of numerical control systems such as DAC360 can be selected.

可选数控/Optional CNC



ESTUN E21S



ESTUN E200PS



DELEM DAC310



DELEM DAC360

PRODUCT FEATURES

HG系列液压闸式(数控)剪板机

产品特点



工作台钢球传送结构/Working table steel ball

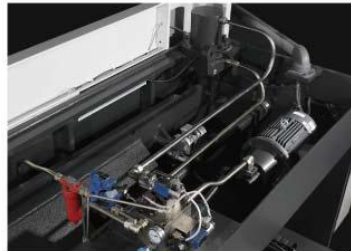
滚动式钢球的使用,可减少摩擦阻力,保证工件表面不被划伤。
Using rolling steel ball, reduces friction, ensure the workpiece surface is not scratched.



闸式刀架结构/ Gate type tool holder structure

专业的闸式刀架采用工装焊接工艺,经过回火处理消除内应力,强度高,刀片间隙自动微调,并采用氮气蓄力回程,快速节能。

The professional gate type tool holder adopts the tooling welding process. After tempering treatment, the internal stress is eliminated, the strength is high, the blade gap is automatically fine-tuned, and the nitrogen accumulating return is adopted to quickly save energy.



优质液压系统/ High quality hydraulic system

以西门子电机为主要动力, Sunny 油泵和优质液压阀为持久的液压动力。

With Siemens motors as the main source of power, Sunny pumps and premium hydraulic valves for long-lasting hydraulic power.



高精度后挡料/ Premium Backgauge

采用滚珠丝杠和直线导轨,交流电机驱动,可定制伺服电机。
It adopts ball screw and linear guide, AC motor drive, and can be customized servo motor.



气动后托料装置(可选)/ Pneumatic sheet support device

可减少板料在剪切时的下垂变形,提高剪切质量。
It can reduce the sagging deformation of the sheet in the shear, improve the cutting quality.

技术参数 Technical Parameters

型号 Model	可剪板厚 Cutting Thickness	可剪板宽 Cutting Length	剪切角 Angle Range	后挡料行程 Backgauge Stroke	重量(约) Approx. Weight	长度 Overall Length	宽度 Overall Width	高度 Overall Height	主机 Main Power
TYPE	(mm)	(mm)	(°)	(mm)	(T)	(mm)	(mm)	(mm)	(Kw)
6x2500	6	2500	0.5-1.5	750	5.5	3800	1700	1950	7.5
6x3200	6	3200	0.5-1.5	750	6.5	4100	1700	2000	7.5
6x4000	6	4000	0.5-1.5	750	8.5	5200	1840	2150	7.5
6x5000	6	5000	0.5-1.5	750	11	6000	1840	2150	11
6x6000	6	6000	0.5-2	750	16	7000	2100	2300	11
8x2500	8	2500	0.5-2	750	6	3800	1700	1950	11
8x3200	8	3200	0.5-2	750	7	4100	1700	1950	11
8x4000	8	4000	0.5-2	750	9.5	5200	1700	1950	11
8x5000	8	5000	0.5-2	750	11.5	6000	2400	2000	11
8x6000	8	6000	0.5-2	750	17	7000	2100	2350	11
8x8000	8	8000	0.5-2	750	28	8800	2130	2350	15
10x2500	10	2500	0.5-2	750	6.8	3800	1800	1950	11
10x3200	10	3200	0.5-2	750	8.5	4300	1830	2000	11
10x4000	10	4000	0.5-2	750	12.5	5200	2100	2000	15
10x5000	10	5000	0.5-2	750	18	6000	2100	2000	15
10x6000	10	6000	0.5-2	750	24	7000	2100	2300	15
10x8000	10	8000	0.5-2	750	32	8800	2100	2300	18.5
13x2500	12	2500	0.5-2.5	750	8.5	3800	1830	2390	15
13x3200	12	3200	0.5-2.5	750	10.5	4300	1830	2390	18.5
13x4000	12	4000	0.5-2.5	1000	13.5	5200	1830	2390	18.5
13x6000	12	6000	0.5-2.5	1000	26	7000	1930	2650	18.5
13x8000	12	8000	0.5-2.5	1000	46	8950	2130	2850	22
16x2500	16	2500	0.5-2.5	1000	10.8	3800	1940	2830	22
16x3200	16	3200	0.5-2.5	1000	12.5	4300	1940	2830	22
16x4000	16	4000	0.5-2.5	1000	16.5	5200	1980	2830	22
16x5000	16	5000	0.5-2.5	1000	25	6000	2600	2830	22
16x6000	16	6000	0.5-2.5	1000	34	7000	2700	2830	22
16x8000	16	8000	0.5-2.5	1000	70	8950	2900	3430	30
20x2500	20	2500	0.5-2.5	1000	13	3800	1980	2830	22
20x3200	20	3200	0.5-2.5	1000	17	4300	1900	2830	22
20x4000	20	4000	0.5-2.5	1000	22	5200	2600	2900	22
20x6000	20	6000	0.5-2.5	1000	45	7000	3000	3000	30
30x2500	30	2500	1-3.5	1000	24	3800	1900	2830	37
30x3200	30	3200	1-3.5	1000	29	4300	1900	3000	37
40x2500	40	2500	1-3.5	1000	36	3800	2000	3000	45

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

LZKV SERIES

数控龙门式刨槽机

CNC Gantry V Groover Machine

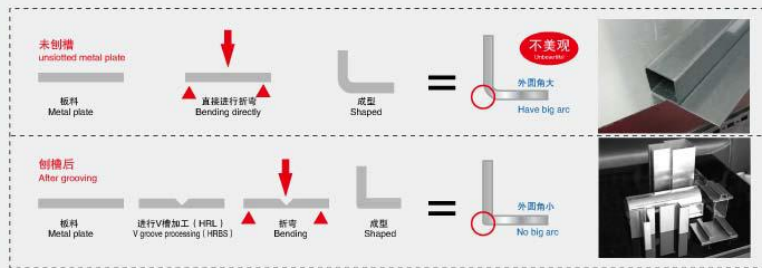
性能特点 Features

该机四轴数控，X轴(刀尖纵向进给)编码器数控，Y1轴(刀尖横向进给)、Y2轴(端压料横向进给)、Z轴(刀尖垂直进给)伺服控制，实现参数输入后全自动运行加工，全面提高刨槽加工精度。
 压料系统采用液压系统作为动力，压力大，紧固力可靠。同时噪音低、能耗小。
 台面磨损后可以自行修复，延长了设备使用年限。
 采用板边压紧定位，工作时无压脚与板面接触，表面无压痕缺陷，确保了产品质量，尤其对薄板的产品质量意义更大。
 数控程序设计合理，易于掌握，只要将加工参数输入后，设备会自动进行加工，并有多项连锁保障措施，确保设备安全运行。

可选数控/Optional CNC

名称	LZKV型数控高速刨槽机		
开槽板料宽度	1250mm	1250mm	1250mm
开槽板料长度	4000mm	5000mm	6000mm
开槽板料厚度	0.50~4.00mm	0.50~4.00mm	0.50~4.00mm
V型槽距边距离	6~8mm	6~8mm	6~8mm
X轴移动最大速度	70m/min	70m/min	70m/min
X轴回程最大速度	80m/min	80m/min	80m/min
Y轴移动最大速度	20m/min	20m/min	20m/min
Y、Z轴重复定位精度	±0.01mm	±0.01mm	±0.01mm
X轴电机功率	5.5KW	5.5KW	5.5KW
Y、Z轴电机功率	1KW	1KW	1KW
机器外形尺寸	6150×2350×1560mm	7150×2350×1560mm	8150×2350×1560mm
机器重量	8.5T	9T	11T
序号	型号	外形尺寸	
1	1250*3200	5250mm*2300mm*1560mm	
2	1250*4000	6050mm*2300mm*1560mm	
3	1250*5000	7050mm*2300mm*1560mm	
4	1250*6000	8050mm*2300mm*1560mm	

板料刨槽与板料未刨槽的优缺点对照(Contrast)



V GROOVER MACHINE LZK CNC MACHINE TOOL

良智数控



FIBER LASER LZK CNC MACHINE TOOL 良智数控



LZ SERIES 单台面激光切割机

Single Table Fiber Laser Cutting Machine

性能特点 Features

采用优质激光器;
回火处理框架;
高精度高效率;
切割速度快;
操作简便、能耗低。

Using high quality lasers;
Tempering treatment framework;
High precision and high efficiency;
Fast cutting speed;
Operating easy and low energy consumption.

应用行业/Applicable industries

厨具橱柜 | 门业加工 | 灯饰五金 | 机箱机柜
广告标牌 | 电梯制造 | 钣金加工 | 家电产品

Kitchen cabinets | Door processing | Lighting hardware | Chassis cabinets
Advertising signs | Elevator manufacturing | Sheet metal processing | Home appliances

技术参数/Technical Parameter

参数	LZ单台面
激光器功率	1000W/1500W/2000W/3000W
加工幅面	3*1.5(m)/4*1.5(m)/6*1.5(m)/4*2(m)/6*2(m)
最大移动速度	120m/min
最大加工速度	1.2g
定位精度	±0.05mm
重复定位精度	±0.02mm
工作电压	380v/50Hz
冷却方式	水冷Water-cooled

数控折弯机上模 UPPER DIE

L=835mm S=415mm 材质 42CrMo 分割: 100 (左耳)、10、15、20、40、50、200、300、100 (右耳) (共计835mm)

模具代号	模具剖面形状、折弯比例图	尖角	模具代号	模具剖面形状、折弯比例图	尖角
D0111 A=88° A=86° A=82° A=80° 整体淬火 HRC47±2 (Max Ton) 70/METER		R0.2 R0.6 R0.8 R1.5 R3.0	D0045 A=88° A=86° A=82° A=80° 整体淬火 HRC47±2 (Max Ton) 50/METER		R0.2 R0.6 R0.8 R1.5 R3.0
D0112 A=88° A=86° A=82° A=80° 整体淬火 HRC47±2 (Max Ton) 70/METER		R0.2 R0.6 R0.8 R1.5 R3.0	D0047 A=88° A=86° A=82° A=80° 整体淬火 HRC47±2 (Max Ton) 50/METER		R0.2 R0.6 R0.8 R1.5 R3.0
D0210 A=30° A=28° A=26° 整体淬火 HRC47±2 (Max Ton) 80/METER		R0.65	D0202 A=88° A=86° A=82° A=80° 整体淬火 HRC47±2 (Max Ton) 30/METER		R0.2 R0.6
D10870 A=30° A=28° A=26° 整体淬火 HRC47±2 (Max Ton) 50/METER		R0.2 R0.65	D0109 A=88° A=86° A=82° A=80° 整体淬火 HRC47±2 (Max Ton) 50/METER		R0.2 R0.6

数控折弯机下模 BOTTOM DIE

L=835mm S=415mm 材质 42CrMo 分割: 10、15、20、40、50、100、200、400 (共计835mm)

模具代号	模具剖面形状	模具代号	模具剖面形状
D50196 (86°-V4V7) 整体淬火 HRC47±2 (Max Ton) 60/METER		D60108 (86°-V8) 整体淬火 HRC47±2 (Max Ton) 70/METER	
D50296 (86°-V6V10) 整体淬火 HRC47±2 (Max Ton) 70/METER		D60112 (86°-V12) 整体淬火 HRC47±2 (Max Ton) 80/METER	
D50396 (86°-V8V12) 整体淬火 HRC47±2 (Max Ton) 70/METER		D60116 (86°-V16) 整体淬火 HRC47±2 (Max Ton) 90/METER	
D50690 (86°-V16V25) 整体淬火 HRC47±2 (Max Ton) 100/METER		D60125 (86°-V25) 整体淬火 HRC47±2 (Max Ton) 100/METER	

