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普雷发制造 改变未来 | 2025

Intelligent Manufacturing
Change the Future



PRESS BRAKE



SHEAR



LASER

安徽普雷发智能装备有限公司

Anhui ZYMT CNC Machine Tool Co.,Ltd.



中亚公司北门

- 普雷发机床是一家致力于为全球用户提供钣金智能装备整套解决方案的高新技术企业，始终专注于钣金智能装备制造领域，拥有专业独立的智能装备核心技术研发团队。秉承：高效、节能、环保、兼容的产品开发理念从而成为中国杰出的钣金智能装备制造制造商。
- PREF is a high-tech enterprise dedicated to providing global users with a complete set of solutions for sheet metal intelligent equipment, has always focused on the field of sheet metal intelligent equipment manufacturing, with a professional independent intelligent equipment core technology research and development team. Adhering to: high efficiency, energy saving, environmental protection, compatible product development concept to become China's outstanding sheet metal intelligent equipment manufacturer.

我们致力于创新

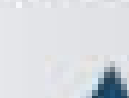
我们的战略“根据市场和客户的需求进行内部设计和产品研发”

We are committed to innovation

Our strategy is "Internal design and product development according to the needs of the market and customers"

2001

公司成立于2001年2月
Founded in 2001



150+

占地150多亩
Area covered



300+

现有300多人
There are more than 300 people





Be The Century Enterprise Create Chinese Brand

做百年企业 创中国品牌

追求卓越品质，提升客户价值，振兴民族产业，践行社会责任！

Pursue excellent quality, enhance customer value,
revitalize national industry, practice social responsibility!

Company Profile

公司简介

马鞍山普雷发机床制造有限公司成立于2001年2月，现注册资金5200万元，占地150多亩，在用生产厂房面积约70000平方米。一线生产员工210余人，总员工数300余人，其中各类工程技术人员52人，外国专家3人。公司的核心产品主要为ZYB型电液单伺服阀控、双伺服泵控数控折弯机、ZYC型电液伺服数控折弯机、WC67Y、WC67K型普通、数控折弯机、ZYD、ZYP、ZYR、ZYPR型光纤激光切割机、ZYS、RAS型精密数控闸式剪板机、QC12Y、QC12K型液压摆式剪板机，为航天、汽车、轮船、核电等多个国家重点领域中的大型企业保持设备提供、技术支持等合作与服务。普雷发机床同时也是涉足金融投资、海外投资等多元化发展的企业，以更好地服务于社会和国民经济发展。

截止2020年末，马鞍山普雷发机床制造有限公司拥有高新技术产品6项，3项产品获得安徽省名牌产品称号，2项商标“众意牌”、“PREF牌”商标获得安徽省著名商标称号，目前公司已获得41项专利，其中发明专利1项，实用新型专利20项，另外有15项专利报请国家专利局批准授予，其中发明专利6项。

公司坚定不移地立足人才创新、科技创新，潜心产品核心技术研发，注重新时代技术工人的培养培训、产品品质和诚信服务，以现有的一批专业技术领域的优秀人才作引，不断的吸收融合先进的产品设计经验和精深的理论知识，一如继往、更加热忱的给予广大客户以最优质的产品和服务。

标准化量产

为您提供品质如一的产品

Provide you with optimized solutions with professional technology

普雷发机床深入把握工业制造领域转型升级的重大需求，面向钣金加工、航天、汽车、轮船、核电等重点行业，提供丰富的智能制造整体解决方案，全力协助客户实现降低能耗、提高品质、提升效率等转型目标，践行为制造的更高荣耀。

PREF deeply grasps the major needs of transformation and upgrading in the industrial manufacturing field, and provides a wealth of overall intelligent manufacturing solutions for key industries such as sheet metal processing, aerospace, automobiles, ships, and nuclear power, and fully assists customers in reducing energy consumption, improving quality, and Improve efficiency and other transformation goals, and achieve higher glory for manufacturing.

大规模.标准化量产

Large Scale Standardized Production



2019年据中国机床工具工业协会锻压机械分会的统计，普雷发ZYB系列大吨位电液伺服数控折弯机其产销量在国内同行业重点联系企业中位居前三。

According to statistics from the Forging Machinery Branch of the China Machine Tool Industry Association in 2019, PREF's ZYB series large tonnage electro-hydraulic servo CNC bending machines ranked among the top three key contact enterprises in the same industry in China in terms of production and sales.



普雷发机床.电液伺服数控折弯机.装配生产线(出口车间)
PREF. Electro hydraulic servo CNC bending machine Assembly production line (export workshop)



普雷发机床.光纤激光切割机装配生产线(激光车间)
PREF. Fiber laser cutting machine assembly production line (laser workshop)



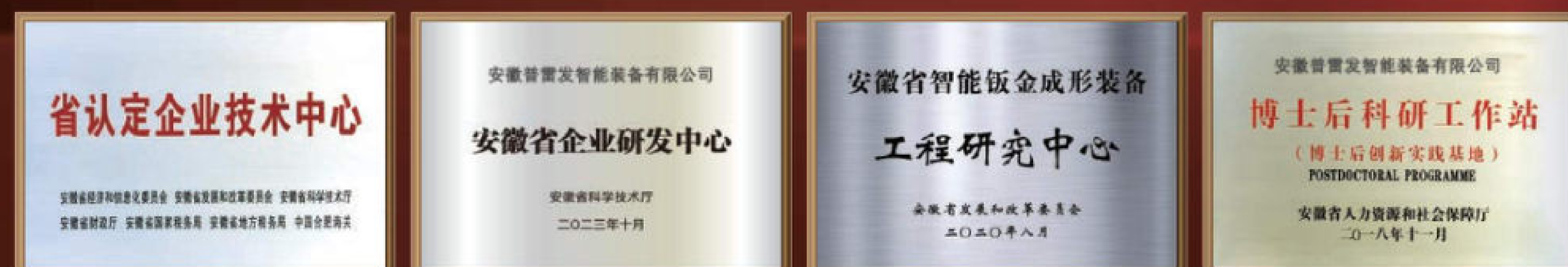
普雷发机床.光纤激光切割机装配生产线(激光车间)
PREF. Fiber laser cutting machine assembly production line (laser workshop)

企业荣誉 资质认证

Enterprise Honor Certification

多年来的不懈努力
使普雷发机床成为一个
受到世界认可和赞赏的企业

Years of unremitting efforts Make
PREF become an enterprise
recognized and
appreciated by the world



国际品质 全球共享



International Quality Global Presence

让“PREF”品牌走向国际舞台

Let “PREF” brand move to the international stage

国内市场/Domestic Market

普雷发机床已建立完善的市场销售服务体系，国内设有办事处90多个，分布在全国主要中心城市，全面实现“贴近用户延伸服务”。覆盖全国的销售服务网络确保了对客户需求的及时、快捷响应。

Anhui PREF Machine Tool has established a comprehensive market sales service system, with over 90 domestic offices distributed in major central cities across the country, fully achieving "close to user/extended service". The nationwide sales and service network ensures timely and efficient response to customer needs.

国际市场/International Market

企业通过大型跨国代理商及各类国内外知名电商平台，将产品远销至世界六大洲100多个国家和地区。

Through large multinational agents and various well-known domestic and foreign e-commerce platforms, the company exports its products to more than 100 countries and regions on six continents around the world.



国内外办事处
120+
Domestic and foreign offices

合作伙伴
5000+
Cooperative partner

远销多个国家地区
100+
Exported to many countries and regions

生产加工车间

Processing workshop

普雷发机床拥有大型高端智能装备的加工制造能力

We have the processing and manufacturing capabilities of large-scale high-end intelligent equipment

PREF
Group

今天,在数字化技术影响之下,从工业到生活领域,都在发生着深刻的变革。普雷发机床致力于打造高端的智能钣金加工设备,让客户感受到精细的设备所带来的专业化的服务。普雷发机床为满足客户对产品的特殊要求愿为您量身定制个性化产品。

Today, under the influence of digital technology, profound changes are taking place in fields from industry to daily life. Anhui PREF Machine Tool is committed to creating high-end intelligent sheet metal processing equipment, allowing customers to experience the professional service brought by fine equipment. Anhui PREF Machine Tool is willing to customize personalized products for you to meet the special requirements of customers.



下料车间, 抛丸、切割生产线
Cutting workshop, shot blasting and cutting production line



燃气台车式热处理炉 14m*4m*4.6m
Gas trolley type heat treatment furnace 14m ×4m ×4.6m



昆机数控落地镗铣床 X轴20米, Y轴5米
Kunji CNC floor boring and milling machine X axis 20 meters, Y axis 5 meters



大型数控加工中心
Large CNC machining center



昆机数控落地镗铣床



组威龙门数控加工中心



数控加工中心



数控立式加工中心



组威龙门数控加工中心



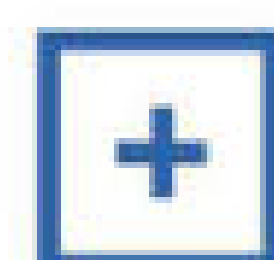
大型龙门刨床

大型机床

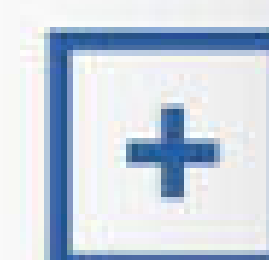
Large Machine

普雷发产品 部分用户单位

PARTIAL USER UNIT



中国兵器工业集团重庆铁马工业集团有限公司
中国兵器工业集团北方重工业集团有限公司
中国航天科技集团航天特种车辆厂
中国一汽集团解放汽车有限公司
中国北车集团长春电动车辆厂
中国北车集团济南轨道交通有限公司
中国南车集团株洲车辆厂
中国重汽集团
江苏大明金属制品有限公司
北汽福田汽车股份有限公司
陕汽集团新能源汽车有限公司
长城汽车股份有限公司
河南志捷专用车有限公司
陕西重曼卡专用车
保定大迪专用汽车有限公司
衡水远大专用车有限公司
山东鼎昌铁塔有限公司
山东宏基铁塔有限公司
福建泰华电力器材股份有限公司
四川恒达灯具制造有限公司
常州龙丞不锈钢有限公司
河北金环钢结构工程有限公司
湖南盛祥钢构有限公司
攀钢集团有限公司
马钢集团新材料股份有限公司
安徽强盛钢构有限公司
徐州徐工随车起重机有限公司
福建畅丰车桥制造有限公司
衡水晟合电力交通装备有限公司
上海宝钢集团有限公司
武汉钢铁集团公司
徐工集团有限公司
中国中铁一局集团
中国中铁二局集团
中国中铁三局集团
中国中铁九局集团
中国中铁十局集团
中国中铁十九局集团
中国中铁二十局集团
河北建设集团有限公司
临沂天元集团有限公司
临沂华益工程机械有限公司
海尔集团有限公司
澳柯玛股份有限公司



四川福林灯具制造有限公司
莱芜鲁能开源铁塔有限公司
韩国现代（青岛）造船重工有限公司
洛阳交运集团工业有限公司
内蒙正大高科电子科技有限公司
上海骏润机械制造有限公司
江苏正昌粮机股份有限公司
上海吉晓机械配件有限公司
徐州中盛机械制造有限公司
中国核工业华兴建设有限公司
大连重工机电设备成套有限公司
河南力霸液压机械集团有限公司
天津北方高效填料厂
芜湖南陵县鲁班集团
安徽华菱西厨装备集团有限公司
重庆天正建设工程集团机械有限公司
江苏中冶钢结构有限公司
沧州市华油飞达固控设备有限公司
佛山市粤帮金属建材有限公司
嘉兴电力冷弯型材有限公司
四川莲溪林通门业有限公司
安徽海川重工科技有限公司
贵州九鼎车辆制造有限公司
江阴市方圆制造有限公司
青岛全能重工机械有限公司
长春铸诚实业股份有限公司
泰豪沈阳电机有限公司
苏州中材建设有限公司
东莞市大力士电梯有限公司
东莞市富本电梯有限公司
广东明威专用汽车有限公司
中国建材轻工机械集团
佛山市德匠电梯有限公司
广州华凯车辆装备有限公司
东莞市航盾消防科技有限公司
佛山市顺德区申奥制冷厨具有限公司
佛山市南海区万格士机械设备有限公司
中山市奥菱电梯有限公司
广东联塑安防科技有限公司
上海能达机电成套设备有限公司
佛山住友富士电梯有限公司
佛山市奥尔斯电梯有限公司
安徽建工建筑工业化智能建造集团有限公司
安徽建工集团建筑机械智能制造有限公司
安徽建工交通智造有限责任公司
安徽建工钢构智能制造有限公司



客户现场照

ZYB-2000吨14米电液伺服数控折弯机
ZYB-2000TonX14000mm CNC Press brake

客户：中国兵工集团内蒙古北方重工业集团有限公司(央企)
Buyer: Inner Mongolia North Heavy Industries Group Co., Ltd.



客户现场照 Customer on-site photos

ZYB-2000吨12米电液伺服数控折弯机
ZYB-2000TonX12000mm CNC Press brake

客户：泰安航天特种车辆厂(央企)
Buyer: Taian Aerospace Special Vehicle Co., Ltd

访问 www.zymtcnc.com

全新网站现已推出
The new website is now available

全新外观、更多视频和轻松导航是新版
PREF 网站的主要特点。详细了解我们服务的
行业和全球客户的成功案例。

The new appearance, more videos, and easy
navigation are the main features of the new
PREF website. Gain a detailed understanding of
the industry we serve and successful cases of
global clients.

ZYB series SVP

电液单伺服阀控折弯机

CNC Hybrid-Electro Servo Press Brake

性能特点

机身采用整体钢板焊接结构，经大型回火炉设备回火处理，消除焊接应力和加工应力引起的变形，保证机床的精度保持性。
进口国际知名品牌电液伺服阀及光栅尺构成精准控制方式。
滑块位置反馈精度高，运行准确平稳，同步性能好，折弯精度、滑块重复定位精度高。
后挡料采用功能更为齐全的精密数控后挡料机构。
液压系统采用集成式控制系统，减少了管路安装，克服漏油现象，确保了机床的工作稳定性，外形简洁美观。
机械挠度自动补偿机构，消除了滑块变形对工件质量的影响，数控系统自动调整补偿量，操作方便准确。
数控系统采用荷兰Delem等品牌折弯机专用数控系统。

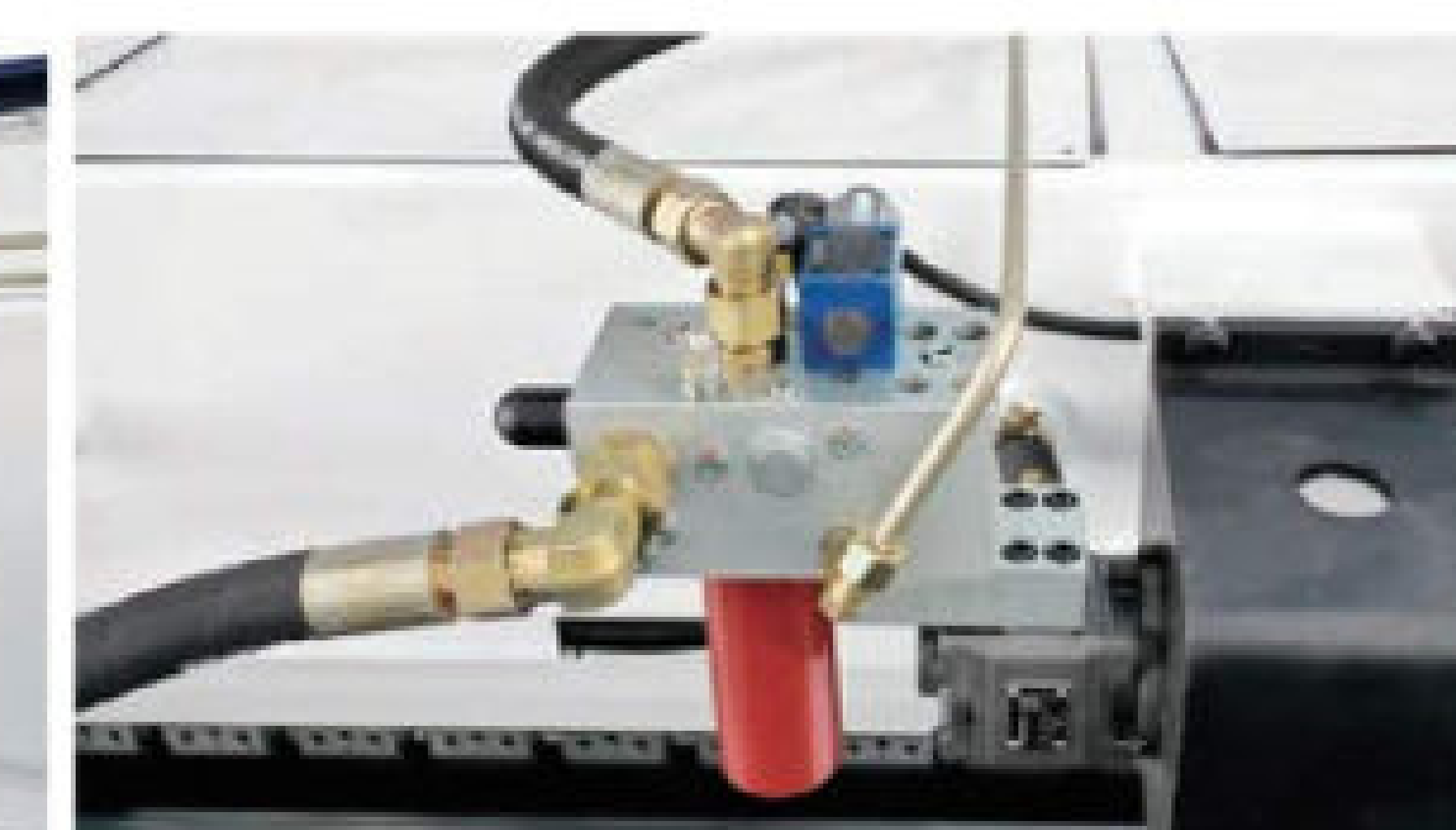
细节展示 Detail display



精密光栅尺
Precision grating ruler



主伺服电机
Main servo motor



进口液压阀（力士乐）
Imported hydraulic Valve (Rexroth)



DA-53T 标配(Standard)

- 10.1" 高分辨率真彩TFT显示屏
- 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 / 产品库
- 支持伺服或变频控制
- 先进的Y轴控制算法
- 网络双机联动 (选配)
- USB 外设接口
- Profile-53TL 离线编程软件
- "Hot-key" touch navigation
- 10.1" high resolution colour 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
- TandemLink (option)
- USB memory stick interfacing
- Profile-T offline software



DA-58T



选配(optional)

- 15" TFT真彩显示
- 1024 x 768像素
- 工业级触摸屏
- 2D 触模图形编程
- 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
- USB接口
- 2D touch graphical programming
- 15" high-resolution TFT true color display
- Bending process calculation
- Deflection compensation control
- Servo and drive control modes
- Advanced Y-axis control algorithm, you can control the closed-loop valve can also control the open-loop valve
- USB interface



选配(optional)

DA-66T

- 17" TFT真彩显示
- 1280 x 1024像素
- 全触模红外线式操作
- 2D触模图形编程
- 3D产品图形模拟显示
- 完整的Windows应用程序包
- 兼容Delem模块化结构系统
- 标准Windows网络功能
- Profile-T3D离线编程软件
- 2D Touch graphical programming
- 3D Product graphical simulation display
- 17" High-resolution TFT Color Display
- Full Windows application package
- Compatible DELEM modular structure
- USB, Peripheral interface
- User program applications under multi-tasking environment
- Angle detecting sensor interface



选配(optional)

DA-69T

- 17" TFT真彩显示
- 1280 x 1024像素
- 全触模红外线式操作
- 2D和3D触模图形编程
- 3D产品图形模拟显示
- 完整的Windows应用程序包
- 兼容Delem模块化结构系统
- 标准Windows网络功能
- Profile-T3D离线编程软件
- 支持2D的DXF文件导入和3D的Solidworks产品导入
- 3D and 2D graphical touch screen programming mode
- 3D visualisation in simulation and production
- 17"high resolution colour TFT
- Full Windows application suite
- Delem Modusus compatibility/module scalability and adaptivity)
- USB,peripheral interfacing
- Open system architecture
- Sensor bending & correction interface



选配(optional)

DA-66S

- 触模式图形编程
- 产品图形模拟显示
- 高分辨率彩色显示
- 模块兼容 模块可扩展和自适应
- 外设接口
- 支持工业 接口 选项
- 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
- 离线编程软件
- Touch graphics programming
- Product graphical simulation display
- High resolution color display
- Module compatibility Modules are extensible and adaptive
- Peripheral interface
- Supports industrial interface options
- Workshop control, work list function
- Open system architecture
- Angle detection Bending Angle correction interface
- Offline programming software

ZYB series ESVP

电液双伺服泵控折弯机

CNC Hybrid-Electro Double Servo Press Brake



节能
70%

ESVP节能系统

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。

标配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%。

ESVP Energy saving system

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.

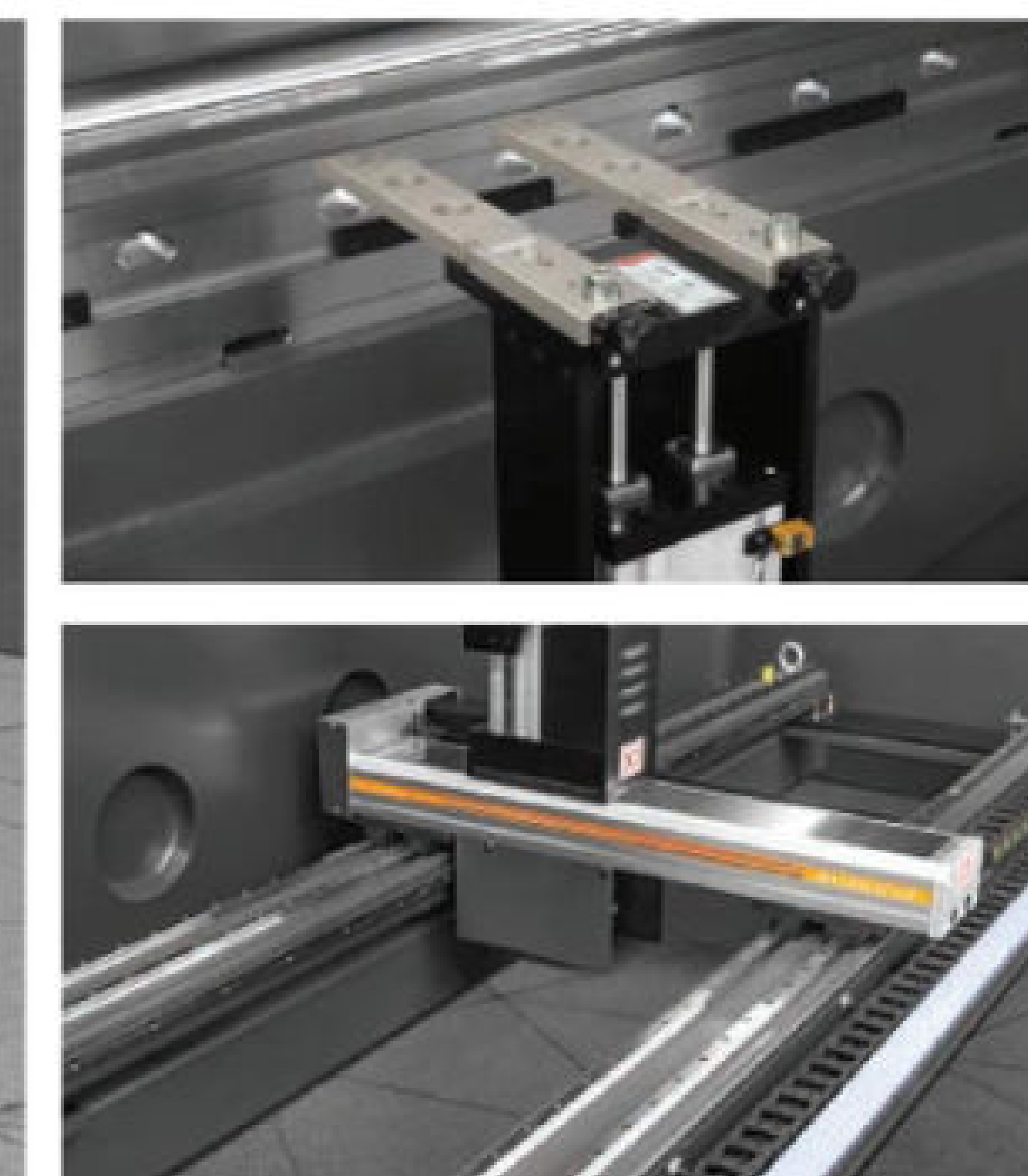


选配部分 Optional part

PREF Group



4+1+2轴数控后挡料(Y1,Y2,X,R)+V+(电动Z1,Z2)
4+1+2 axis CNC back gauge (Y1,Y2,X,R)+V+(motorized Z1,Z2)



8+1轴数控后挡料 (Y1+Y2+X1+X2+R1+R2+Z1+Z2) +V
8+1 axis CNC back gauge (Y1+Y2+X1+X2+R1+R2+Z1+Z2) +V



随动前托料

用户可配备随动前托料机，在折弯薄板或者较宽板时，可以防止工件变形，保证加工精度。

Follow up front supporting material

The user can be equipped with a follow-up front supporting machine, which can prevent the deformation of the workpiece and ensure the processing accuracy when bending the thin plate or the wider plate.



工业空调机

选用性能优良的工业空调，给电器箱的电气元件提供相对低温的工作运行环境。

Industrial air conditioner

Industrial air conditioning with excellent performance is selected to provide a relatively low temperature operating environment for the electrical components of the electrical box.



激光保护光幕

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。

Optical Safety Guards

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



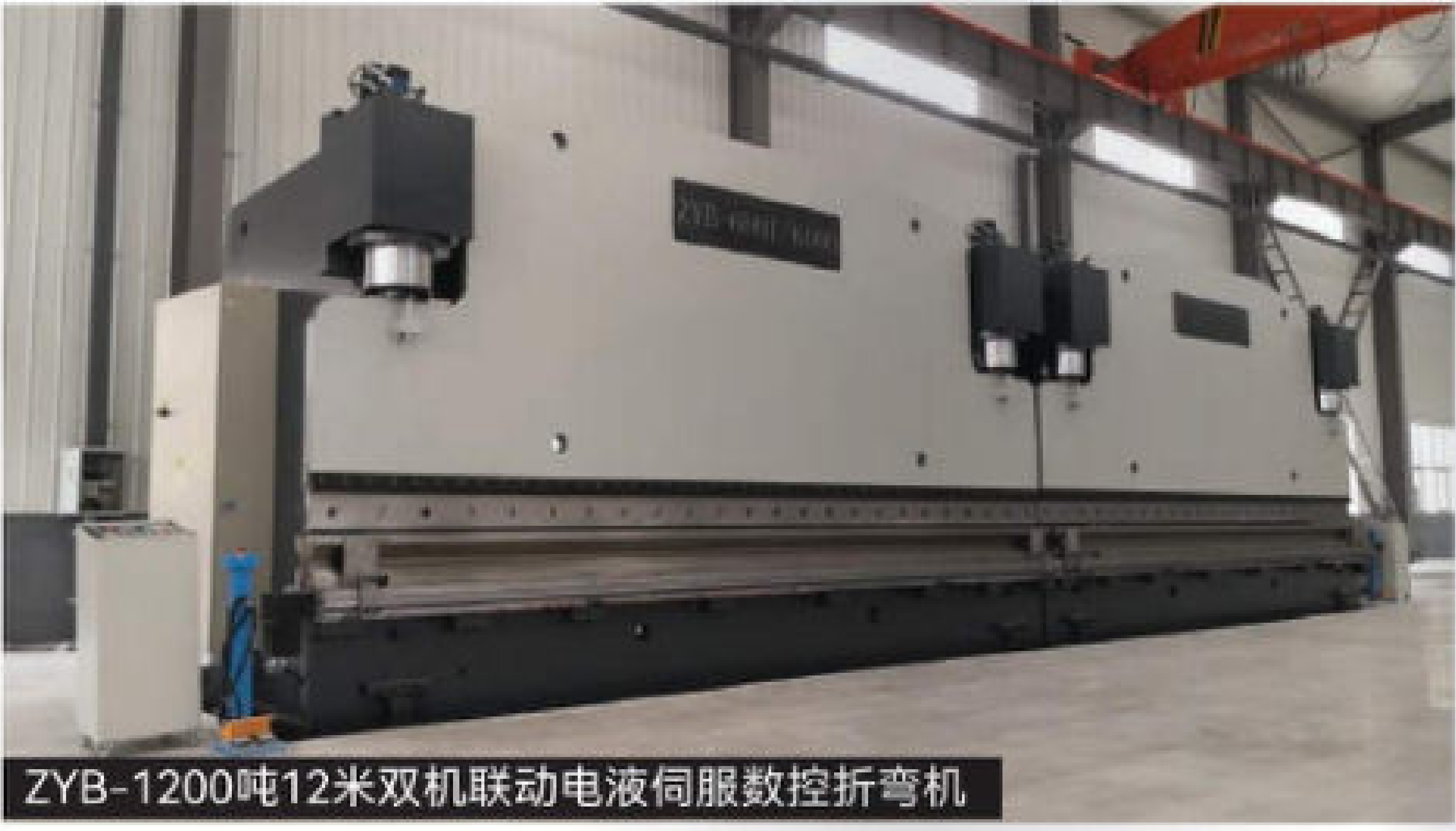
ZYB-2500吨12米电液伺服数控折弯机



25*9000mm前定位送料带自动翻转数控闸式剪板机



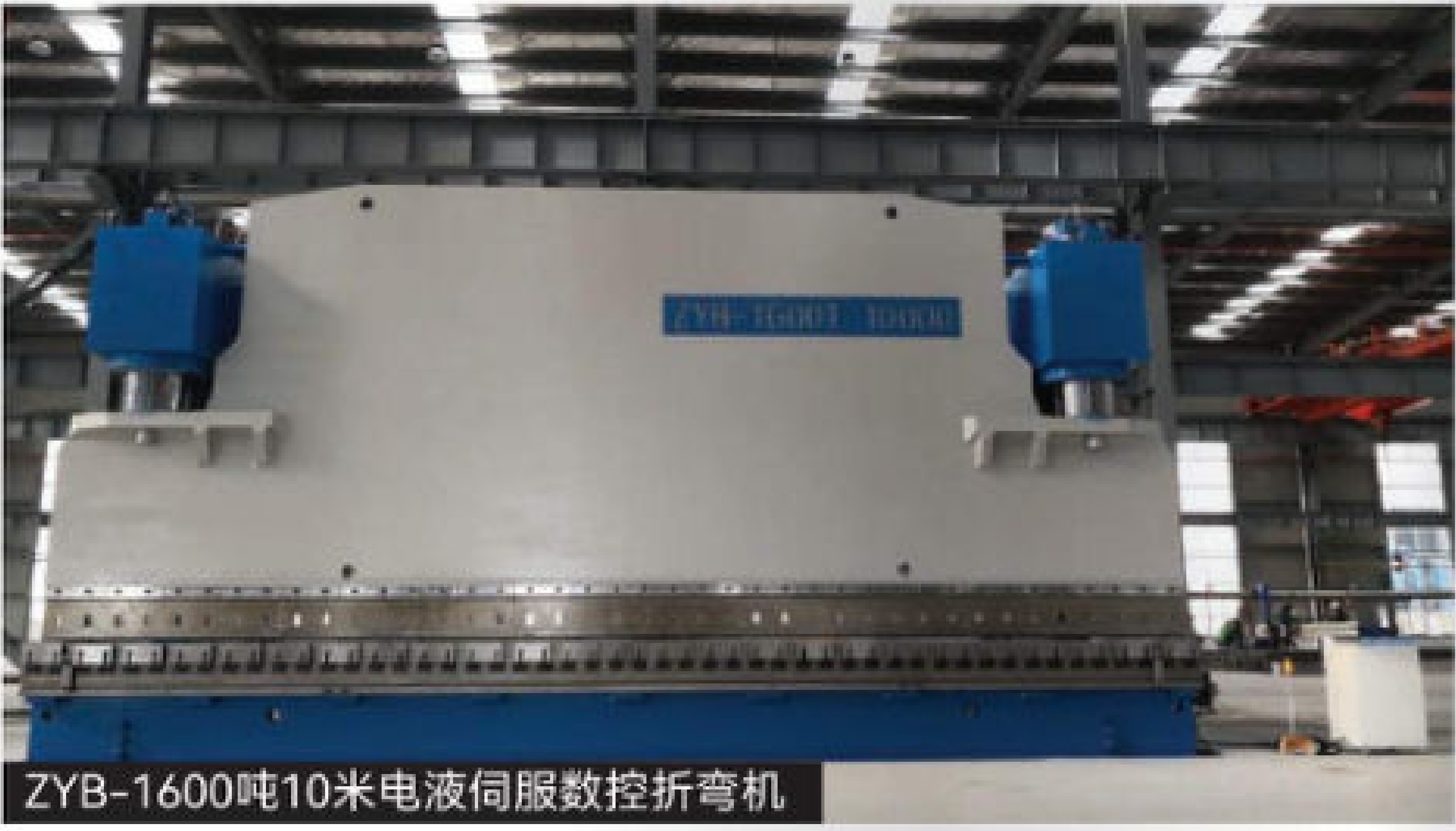
ZYB-2400吨14米双机联动电液伺服数控折弯机



ZYB-1200吨12米双机联动电液伺服数控折弯机



ZYB-6400吨20米双机联动电液伺服数控折弯机



ZYB-1600吨10米电液伺服数控折弯机

技术参数/Technical Parameter

型号 Model (ZYB-)	63t/2500	100t/3200	100t/4000	125t/3200	125t/4000	160t/3200	160t/4000	200t/3200	200t/4000	250t/3200	300t/3200	400t/4000	500t/6000	600t/6000	800t/6000
公称力 Nominal Force (KN)	630	1000	1000	1250	1250	1600	1600	2000	2000	2500	3000	4000	5000	6000	8000
折弯长度 Bending Length (mm)	2500	3200	4000	3200	4000	3200	4000	3200	4000	3200	3200	4000	5000	6000	6000
立柱间距 Vertical Distance (mm)	2000	2700	3500	2700	3500	2700	3500	2700	3500	2700	2700	3100	4500	4900	4200
喉口深度 Throat Depth (mm)	350	400	400	400	400	400	400	400	400	400	400	400	500	500	600
滑块行程 Stroke (mm)	150	200	200	200	200	200	200	200	200	200	300	300	300	300	400
装模高度 Max. Opening(mm)	350	420	420	420	420	420	420	420	420	420	500	600	600	600	800
主电机功率 Main Power (KW)	5	8.7	8.7	10.8	10.8	13.2	13.2	13.2	13.2	16.7	21.4	26.9	37	45	55
控制轴数 Axes	4+1+2 (Y1, Y2, X,R)+V+(手动 Manual operation Z1,Z2)									4+1 (Y1, Y2, X,R)+V			3+1 (Y1, Y2, X)+V		
补偿方式 Compensation	机械补偿 (Motorized Compensation)														
后挡料行程 X-travel (mm)	600									600			800		
后挡料速度 X-speed	200mm/s														
机身长度 Overall Length (mm)	3100	3700	4500	3700	4500	3700	4500	3700	4500	3700	3700	4500	6500	6500	6500
机身宽度 Overall Width (mm)	1500	1600	1600	1600	1600	1650	1650	1700	1700	1700	1800	2450	2800	2900	2950
机身高度 Overall Height (mm)	2300	2500	2500	2500	2500	2600	2600	2700	2700	2760	2900	3500	4500	5100	5300
重量(约) Approx. Weight (Ton)	5.8	8.5	10	9.5	12.5	11	12.5	13.5	14	15.5	16.8	31	50	60	90

※参数如有变动，恕不另行通知；以上机型可采用双机联动。 Parameters change without notice.All the above models are suitable for tandem.



3000吨12米龙门式电液伺服数控折弯机

技术参数/Technical Parameter

型号 Model (ZYB-)	800T/8000	1000T/6000	1000T/8000	1200T/6000	1200T/7000	1600T/6000	1600T/7000	1600T/8000	2000T/10000	2000T/12000	2000T/14000
公称力 Nominal Force (KN)	8000	10000	10000	12000	12000	16000	16000	16000	20000	20000	20000
折弯长度 Bending Length (mm)	8000	6000	8000	6000	7000	6000	7000	8000	10000	12000	14000
立柱间距 Vertical Distance (mm)	6200	4200	6200	4200	5200	4200	5200	6200	7050	9050	11050
喉口深度 Throat Depth (mm)	600	600	600	600	600	600	600	600	700	700	700
滑块行程 Stroke (mm)	400	400	400	400	400	400	400	400	500	500	500
装模高度 Max. Opening (mm)	800	800	800	800	800	800	800	800	900	900	900
主电机功率 Main Power (KW)	55	2X37	2X37	2X45	2X45	2X55	2X55	2X55	2X75	2X75	2X75
控制轴数 Axes	3+1 (Y1, Y2, X)+V										
补偿方式 Compensation	机械补偿 (Motorized Compensation)										
后挡料行程 X-travel (mm)	1000										
后挡料速度 X-speed	200mm/s										
机身长度 Overall Length (mm)	8500	6500	8500	6500	8500	6500	7200	8500	10500	12500	14500
机身宽度 Overall Width (mm)	2950	3000	3000	3100	3100	3300	3300	3300	3500	3500	3500
机身高度 Overall Height (mm)	5900	5600	6100	5850	7150	6500	7000	8000	8300	8300	8300
重量(约) Approx. Weight (Ton)	120	100	130	130	150	150	170	190	290	320	350

※参数如有变动，恕不另行通知；以上机型可采用双机联动。 Parameters change without notice.All the above models are suitable for tandem.

ZYC series

电液伺服数控折弯机

CNC Hydraulic-Electro Servo Press Brake

PREF Group

性能特点

机身采用整体钢板焊接结构，经大型回火炉设备回火处理，消除焊接应力和加工应力引起的变形，保证机床的精度保持性。
进口国际知名品牌电液伺服阀及栅尺构成精准控制方式。
滑块位置反馈精度高，运行准确平稳，同步性能好，折弯精度、滑块重复定位精度高。
后挡料采用功能更为齐全的4+1轴的后挡料机构。
液压系统采用集成式控制系统，减少了管路安装，克服漏油现象，确保了机床的工作稳定性，外形简洁美观。
机械挠度自动补偿机构，消除了滑块变形对工件质量的影响，数控系统自动调整补偿量，操作方便准确。
数控系统选配瑞士 CYBELEC 品牌折弯机专用数控系统。

The body adopts the whole steel plate welding structure, and the tempering treatment by the large tempering furnace equipment can eliminate the deformation caused by welding stress and processing stress, and ensure the accuracy of the machine tool.
Imported international famous brand electro-hydraulic servo valve and grid scale constitute accurate control mode.
The slider position feedback accuracy is high, the operation is accurate and stable, the synchronization performance is good, the bending accuracy is high, the slider repeated positioning accuracy is high.
The back gauge adopts a more fully functional 4+1 axis back gauge mechanism.
The hydraulic system adopts integrated control system, which reduces the installation of pipelines, overcomes the phenomenon of oil leakage, ensures the working stability of the machine tool, and the appearance is simple and beautiful.
The mechanical deflection automatic compensation mechanism eliminates the influence of the slider deformation on the quality of the workpiece, and the CNC system automatically adjusts the compensation amount, making the operation convenient and accurate.
CNC system options: Swiss CYBELEC brand bending machine special CNC system.

细节展示 Detail display



挠度补偿结构
Deflection compensation structure



磁栅精准检测定位
Magnetic grid accurate detection and positioning

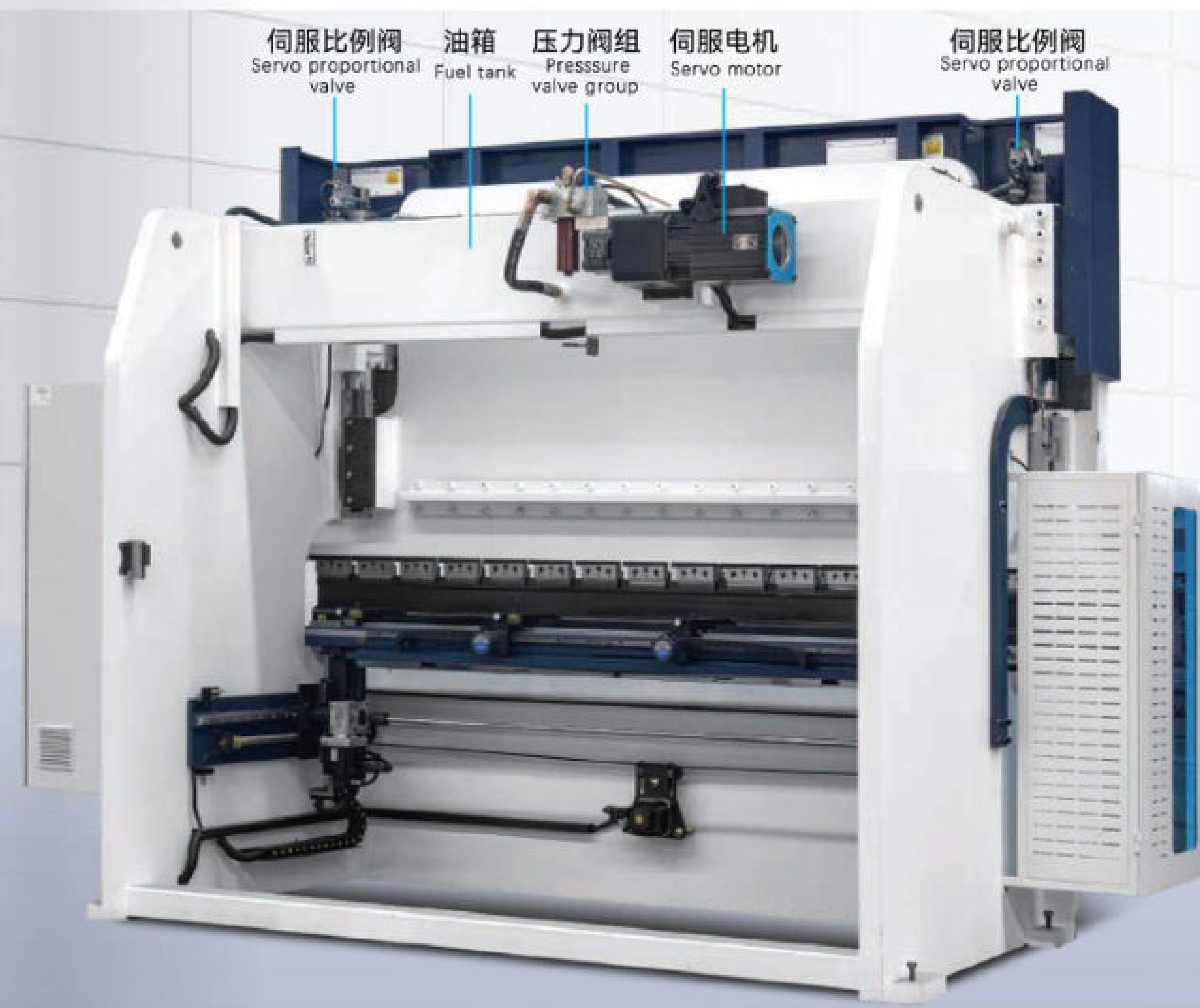


液压比例伺服阀组
Hydraulic proportional servo valve group



ZY-68 标配 (Standard)

- 015.6寸全彩触摸屏
- 角度编程和2D图形编程
- 折弯步骤演示，3D建模仿真；
- 标配Y1、Y2、R等多轴拓展；
- 大圆弧自动生成程序；
- 可存储200个程序，20个上下模具；
- 模具库分类编辑弯刀模、尖刀模、普通模、直刀模、平口模等多种模具；
- 支持CAD图纸导入功能；
- USB导出导入功能；
- 支持双机联动，三机联动；
- 多国语言；
- 015.6-inch full-color touch screen
- Angle programming and 2D graphic programming
- Bending step demonstration, 3D modeling simulation;
- Standard multi-axis expansion such as Y1, Y2, R;
- Automatic generation of large arc programs;
- Can store 200 programs, 20 upper and lower molds;
- Mold library classification editing curved knife mold, sharp knife mold, ordinary mold, straight knife mold, flat mold and other molds;
- Support CAD drawing import function;
- USB export and import function;
- Support dual-machine linkage, three-machine linkage;
- Multi-language;



CT12 选配(Optional)



- 10英寸大触摸屏，色彩鲜艳、对比度高
- 支持多种语言。
- 折弯步骤的多种自动计算功能。
- 可以储存多步折弯步骤和产品。
- 角度、压力和补偿控制。
- 轻松手动控制。
- 4轴控制(Y1-Y2-X-R)。
- 手动定义折弯顺序生成2D产品。

- 12" color LCD display, touch screen, icon recognition function;
- 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, back gauge correction, 2D graphics programming;
- Automatically simulate the bending sequence (option).



VP88 选配(Optional)

- 19"流线型触屏设计，可戴手套操作
- 与CT系列类似的图形化人机界面。
- 2D手指画图编程功能(画截面图)和3D图形显示 (MX)。
- 自动计算折弯步骤
- 可配置折弯机的各种前送料/后挡料轴，例如X轴、X挡指移动轴、X从动轴、R轴、R从动轴、Z轴。
- 更高级的算法，折弯精度更高
- 针对复杂零件批量化生产管理
- 首步/最后折弯
- 低压折弯
- 在Windows 10操作系统下运行，以实现多任务管理和联网。

- 19"streamlined touch screen design, can be operated with gloves
- Graphical HMI similar to CT series.
- 2D finger drawing programming function (drawing cross-section) and 3D graphics display (MX).
- Automatically calculate the bending sequence
- Various front feed/back gauge axes of the bending machine can be configured, such as X axis, X stop finger moving axis, X driven axis, R axis, R driven axis, Z axis.
- More advanced algorithm with higher bending accuracy
- Two-node cluster linkage • Mold input
- Mass production management for complex parts
- First step/last bend • Low pressure bending
- Runs under Windows 10 operating system for multitasking management and networking.
- Angle measurement • Bar code reading • Custom Chemical industry 4.0 software



4+1轴数控后挡料
4+1 axis CNC back gauge



R轴齿轮同步
R axis gear synchronization



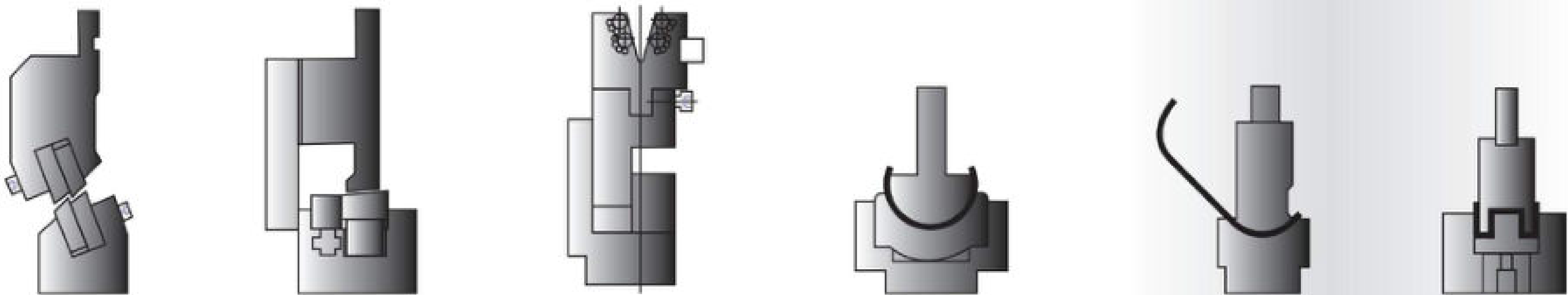
X轴数控伺服电机
X-axis CNC servo motor

技术参数表
echnical Parameters ZYC Series



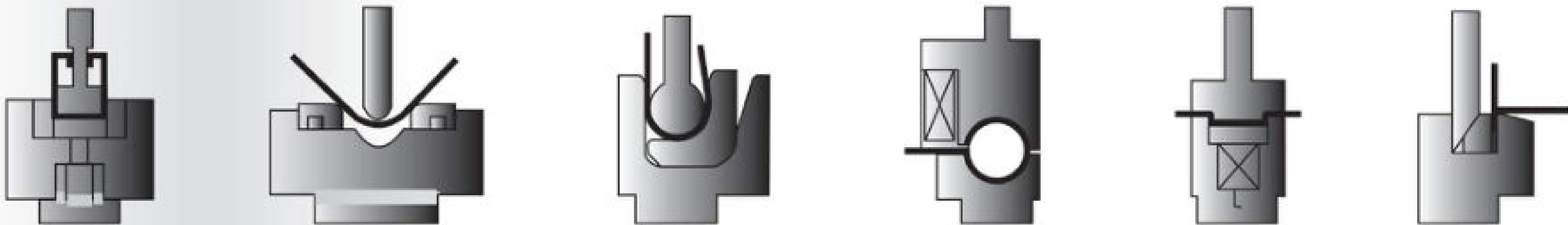
项目		Item	单位	40T/1600	40T/2500	63T/2500	63T/3200	100T/3200	100T/4000
最大公称力		Maximum nominal force	KN	400	400	630	630	1000	1000
折弯长度		Bending length	mm	1600	2500	2500	3200	3200	4000
立柱间距		Column distance	mm	1200	1980	1980	2655	2655	3355
喉口深度		Throat depth	mm	250	250	300	300	350	350
滑块行程		Slide travel	mm	150	165	150	150	200	200
工作台高度		Table height	mm	800	800	850	850	900	900
最大开启高度		Maximum opening height	mm	370	370	400	400	455	455
滑块快下速度		Slider down speed	mm/s	180	180	180	180	180	180
滑块工作速度		Slider working speed	mm/s	15	15	14	14	13	13
滑块返程速度		Slider return speed	mm/s	150	150	170	170	170	170
主电机功率		Main motor power	KW	4	4	5.5	5.5	7.5	7.5
油泵排量		Oil pump displacement	ml/r	10	10	13	13	20	20
数控系统		Numerical control system	ZY-68中国Y1、Y2、X、R轴数控控制系统和机械挠度补偿 ZY-68 Chinese Y1, Y2, X, R axis CNC control systems and mechanical deflection compensation						
油箱容积		Tank volume	L	90	150	150	200	300	400
X轴 X-axis	精度	Precision	mm	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10
	行程	Travel	mm	600	600	600	600	600	600
	最大速度	Maximum speed	mm/s	200	200	200	200	200	200
	电机功率	Motor power	KW	0.85	0.85	0.85	0.85	0.85	0.85
R轴 R-axis	精度	Precision	mm	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10
	行程	Travel	mm	150	150	150	150	150	150
	最大速度	Maximum speed	mm/s	100	100	100	100	100	100
	电机功率	Motor power	KW	0.85	0.85	0.85	0.85	0.85	0.85
外型尺寸 External dimension	长度	Length	mm	1850	2750	2750	3450	3450	4250
	宽度	Width	mm	1250	1250	1350	1350	1580	1580
	高度	Height	mm	2180	2180	2320	2320	2550	2550

※参数如有变动，恕不另行通知；以上机型可采用双机联动。 Parameters change without notice.All the above models are suitable for tandem.



125T/3200	125T/4000	160T/3200	160T/4000	200T/3200	200T/4000	200T/6000	250T/3200	250T/4000	300T/3200	300T/4000	300T/6000
1250	1250	1600	1600	2000	2000	2000	2500	2500	3000	3000	3000
3200	4000	3200	4000	3200	4000	6000	3200	4000	3200	4000	6000
2655	3355	2655	3355	2655	3355	5000	2600	3100	2600	3100	5000
350	350	400	400	400	400	400	400	400	400	400	400
200	200	200	200	200	200	200	200	200	250	250	250
900	900	900	900	900	900	950	1000	1000	1000	1000	1050
455	455	475	475	475	475	475	490	490	540	540	540
180	180	160	160	140	140	140	100	100	100	100	100
13	13	10	10	10	10	10	9	9	9	9	9
160	160	140	140	110	110	110	80	80	80	80	80
11	11	11	11	15	15	15	18.5	18.5	22	22	22
25	25	25	25	32	32	32	40	40	50	50	50
ZY-68中国Y1、Y2、X、R轴数控控制系统和机械挠度补偿 ZY-68 Chinese Y1, Y2, X, R axis CNC control systems and mechanical deflection compensation											
300	400	300	400	300	400	600	500	600	500	600	800
±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10
600	600	600	600	600	600	600	600	600	600	600	600
200	200	200	200	200	200	200	200	200	200	200	200
0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10
150	150	150	150	150	150	150	150	150	150	150	150
100	100	100	100	100	100	100	100	100	100	100	100
0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
3450	4250	3450	4250	3450	4250	6250	3450	4250	3450	4250	6250
1580	1580	1680	1680	1680	1680	1760	1860	1860	1920	1920	2060
2550	2550	2720	2720	2720	2720	2920	3120	3120	3120	3120	3320

※参数如有变动，恕不另行通知；以上机型可采用双机联动。 Parameters change without notice.All the above models are suitable for tandem.



WC67K series

液压板料(数控)折弯机

NC Torsion Bar Hydraulic Press Brake

性能特点

采用大型落地镗铣床对折弯机机架进行整体加工。
锻压材质轴体，刚性大弹性好，有微调装置，抗偏载弱。
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。
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。

A Large floor boring and milling machine is used for integral machining of the bending machine frame.
Forging material shaft body, rigidity, good elasticity, fine tuning device, weak anti-biased load.
Users can customize mold segments 10,15,20,30,50,100,300(cm).
Use ESTUN or DELEM brand CNC system for users to choose.
With ball screw and linear guide rail, driven by servo motor, the back gauge material positioning is fast and accurate.
The height of the stop finger is designed by the whole adjustment, and the height of the stop finger can be adjusted manually.
Improve the speed of mold replacement, improve work efficiency.

PREF Group

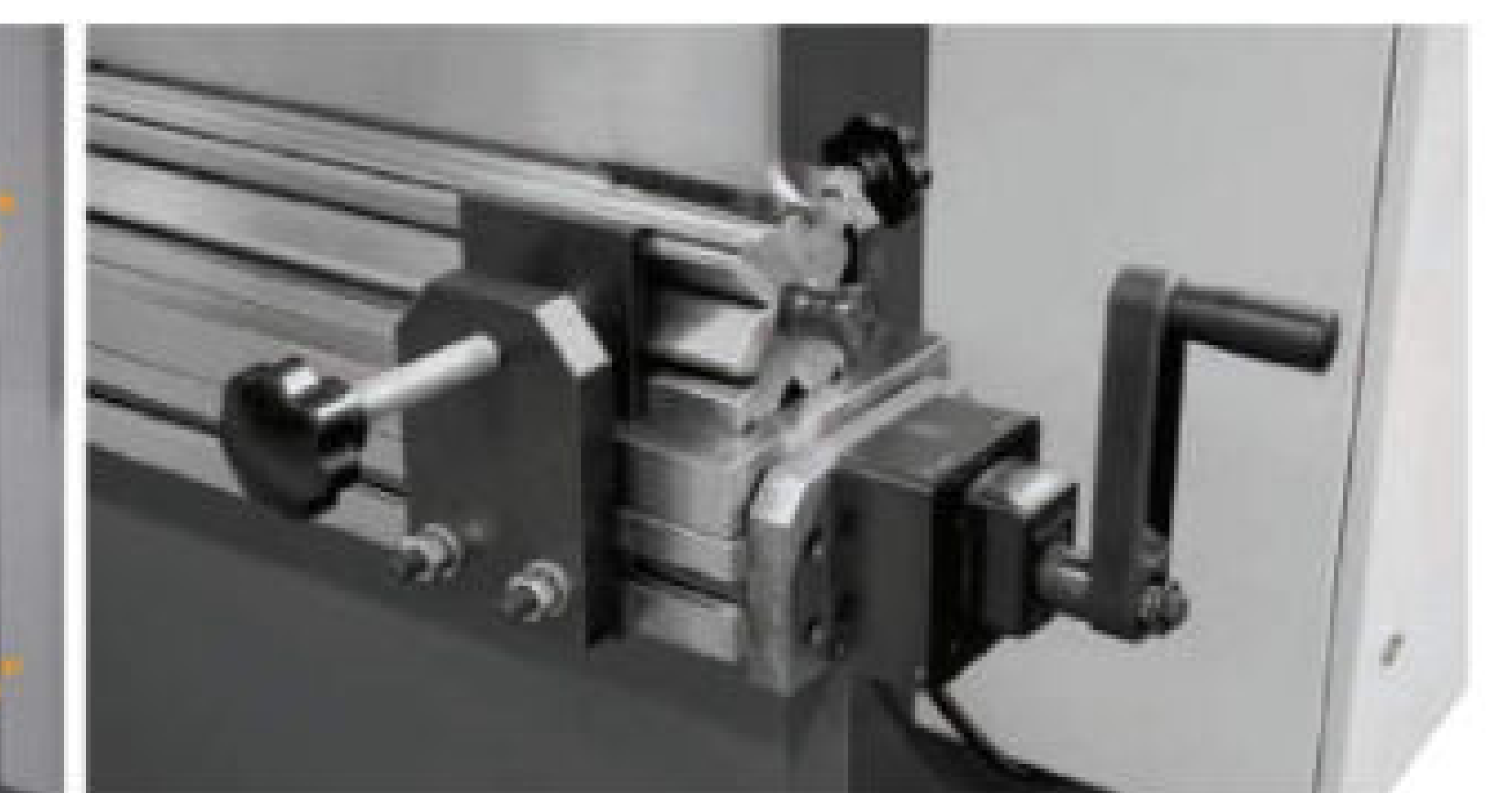
细节展示 Detail display



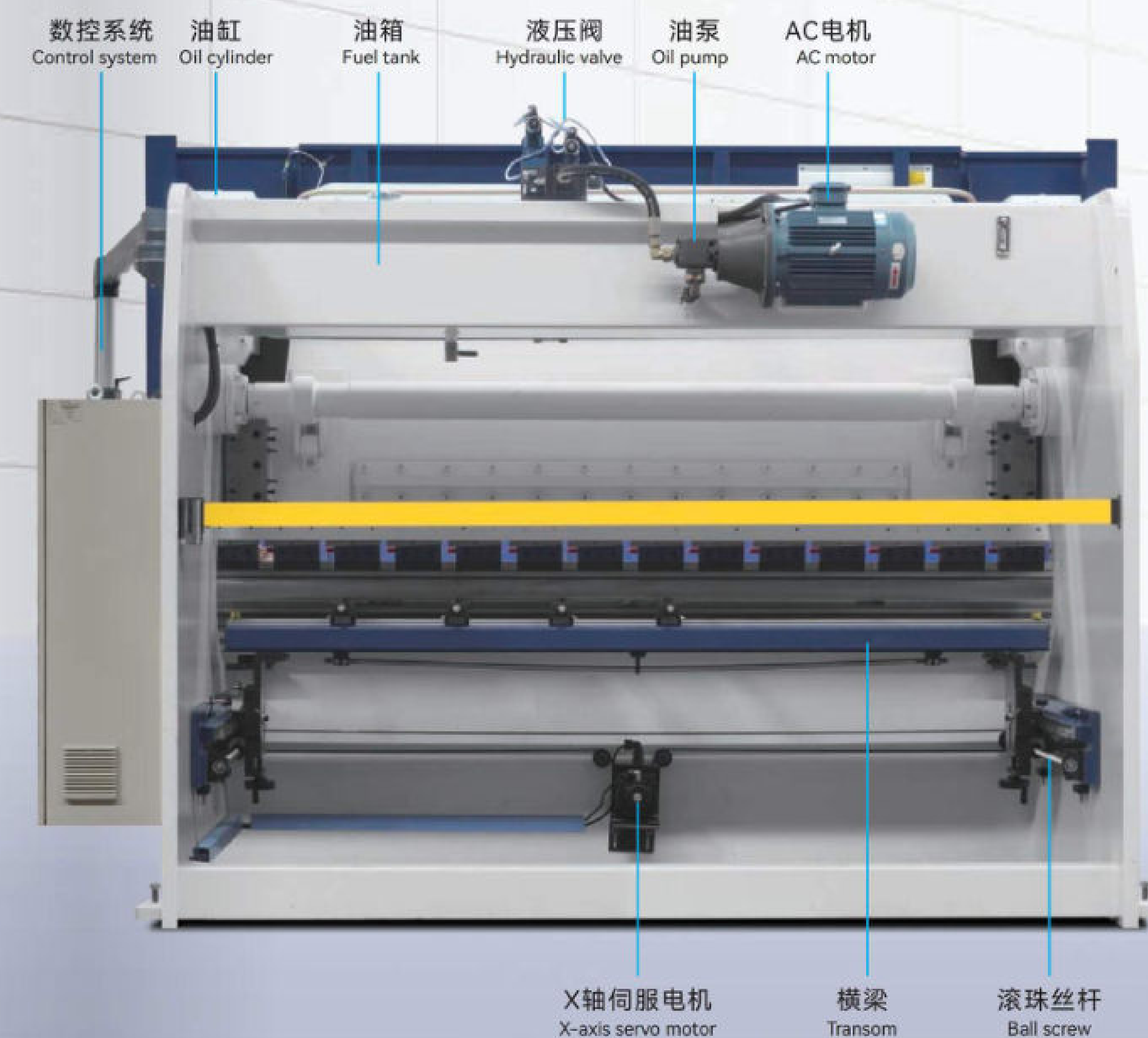
品牌电机油泵
Brand motor oil pump



施耐德电气
Schneider Electric



手动机械补偿 (选配)
Manual mechanical compensation (optional)



CT8



- 8英寸大触摸屏、色彩鲜艳、对比度高。
 - 折弯步序的多种自动计算功能。
 - 可以储存多步折弯步序和产品。
 - 角度、压力和补偿控制。
 - 轻松手动控制。
 - 折弯允许自动计算。
 - 压力-补偿自动计算。
 - 角度和后挡料校正。
- 8 "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 pressure and deflection compensation;
 - Automatic calculation of upper die depth;
 - Angle, back gauge correction,



手动调节横梁高度
Manually adjust the beam height



双直线导轨横梁和多挡指结构
Double linear guide beam and multi-stop finger structure



光电保护(选配)
Photoelectric protection (Optional)

WC67Y series

液压板料折弯机

NC Torsion Bar Hydraulic Press Brake



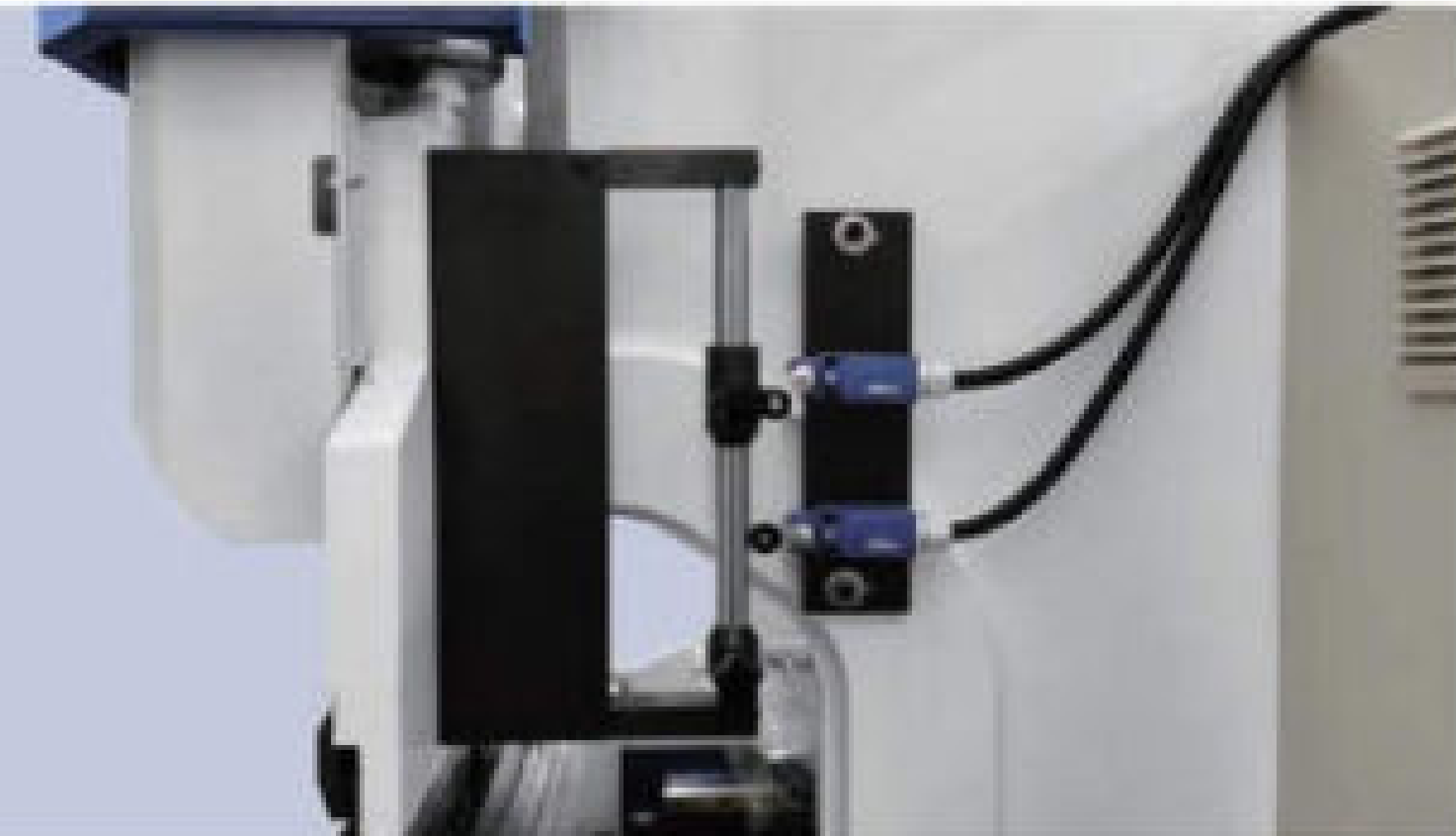
E21

后挡料定位控制，智能定位功能；
单向和双向定位功能，有效消除丝杆间隙；
退让送料功能，自动搜索参考点功能；
参数一键备份与恢复功能，快速位置示教功能；
40 个多步程序存储空间，每个程序有 25 个工步；
断电保护功能。

Positioning control of back gauge.
Intelligent positioning control.
One-side and two-side positioning which eliminates
spindle clearance effectively.
Retract functions.
Automatic reference searching.
One-key parameter backup and restore.
Fast position indexing.
40 programs storage space, each program has 25 steps.
Power-off protection.



扭轴同步结构
Torsion axis synchronous structure



滑块变速点调节
Slider change point adjustment



后挡料电机
Back gauge motor

技术参数表
echnical Parameters WC67Y/K Series

PREF Group

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 (吨)	外形尺寸 Dimension LxWxH (mm)
30T/1600	300	1600	1200	180	90	280	4	1.8	1900 ×1200 ×1850
40T/1600	400	1600	1200	220	110	330	4	2.4	1900 ×1300 ×2000
40T/2500	400	2500	1980	220	110	330	5.5	2.7	2800 ×1300 ×2050
63T/2500	630	2500	1980	260	120	350	5.5	3.8	2800 ×1400 ×2150
63T/3200	630	3200	2655	260	120	350	5.5	4.3	3500 ×1400 ×2150
80T/2500	800	2500	1980	320	120	380	7.5	4.5	2800 ×1500 ×2300
80T/3200	800	3200	2655	320	120	380	7.5	5.4	3500 1500 2300
80T/4000	800	4000	3355	320	120	380	7.5	6.8	4300 ×1500 ×2300
100T/2500	1000	2500	1980	320	150	410	7.5	5.2	2800 ×1600 ×2300
100T/3200	1000	3200	2655	320	150	410	7.5	6.2	3500 ×1600 ×2400
100T/4000	1000	4000	3355	320	150	410	7.5	7.6	4300 ×1600 ×2400
125T/2500	1250	2500	1980	320	150	410	11	5.4	2800 ×1600 ×2300
125T/3200	1250	3200	2655	320	150	410	11	6.4	3500 ×1600 ×2400
125T/4000	1250	4000	3355	320	150	410	11	7.8	4300 ×1600 ×2400
160T/2500	1600	2500	1980	320	200	470	11	8.2	2800 ×1750 ×2550
160T/3200	1600	3200	2655	320	200	470	11	9	3500 ×1750 ×2550
160T/4000	1600	4000	3355	320	200	470	11	10.3	4300 ×1750 ×2550
160T/6000	1600	6000	5000	320	200	470	11	16.8	6300 ×1850 ×2950
200T/2500	2000	2500	1980	320	200	470	11	8.6	2800 ×1750 ×2550
200T/3200	2000	3200	2655	320	200	470	11	9.6	3500 ×1750 ×2550
200T/4000	2000	4000	3355	320	200	470	11	10.8	4300 ×1750 ×2550
200T/6000	2000	6000	5000	320	200	470	11	17.3	6300 ×1850 ×2950
250T/3200	2500	3200	2520	400	250	530	18.5	15.8	3500 ×1850 ×3250
250T/4000	2500	4000	2920	400	250	530	18.5	17.8	4300 ×1850 ×3250
250T/6000	2500	6000	5000	400	250	530	18.5	23	6300 ×1950 ×3350
300T/3200	3000	3200	2520	400	250	540	22	17.5	3500 ×1950 ×3300
300T/4000	3000	4000	2920	400	250	540	22	19	4300 ×1950 ×3300
300T/6000	3000	6000	5000	400	250	540	22	26.5	6300 ×2050 ×3400
400T/3200	4000	3200	2520	400	250	540	30	19.5	3500 ×2150 ×3400
400T/4000	4000	4000	2920	400	250	540	30	22	4300 ×2150 ×3400
400T/6000	4000	6000	5000	400	250	540	30	34	6300 ×2250 ×3400

※参数如有变动，恕不另行通知；以上机型可采用双机联动。 Parameters change without notice.All the above models are suitable for tandem.

ZYD series

双驱高速光纤激光切割机

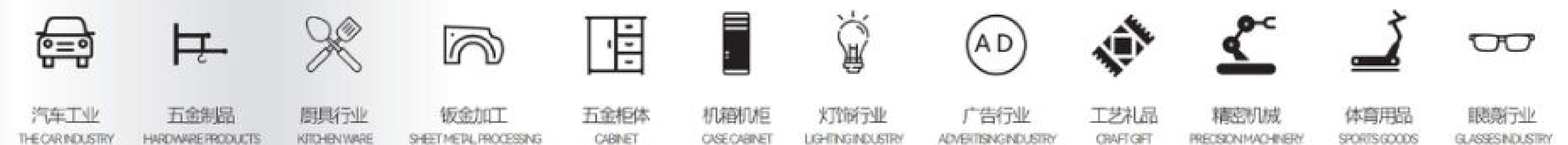
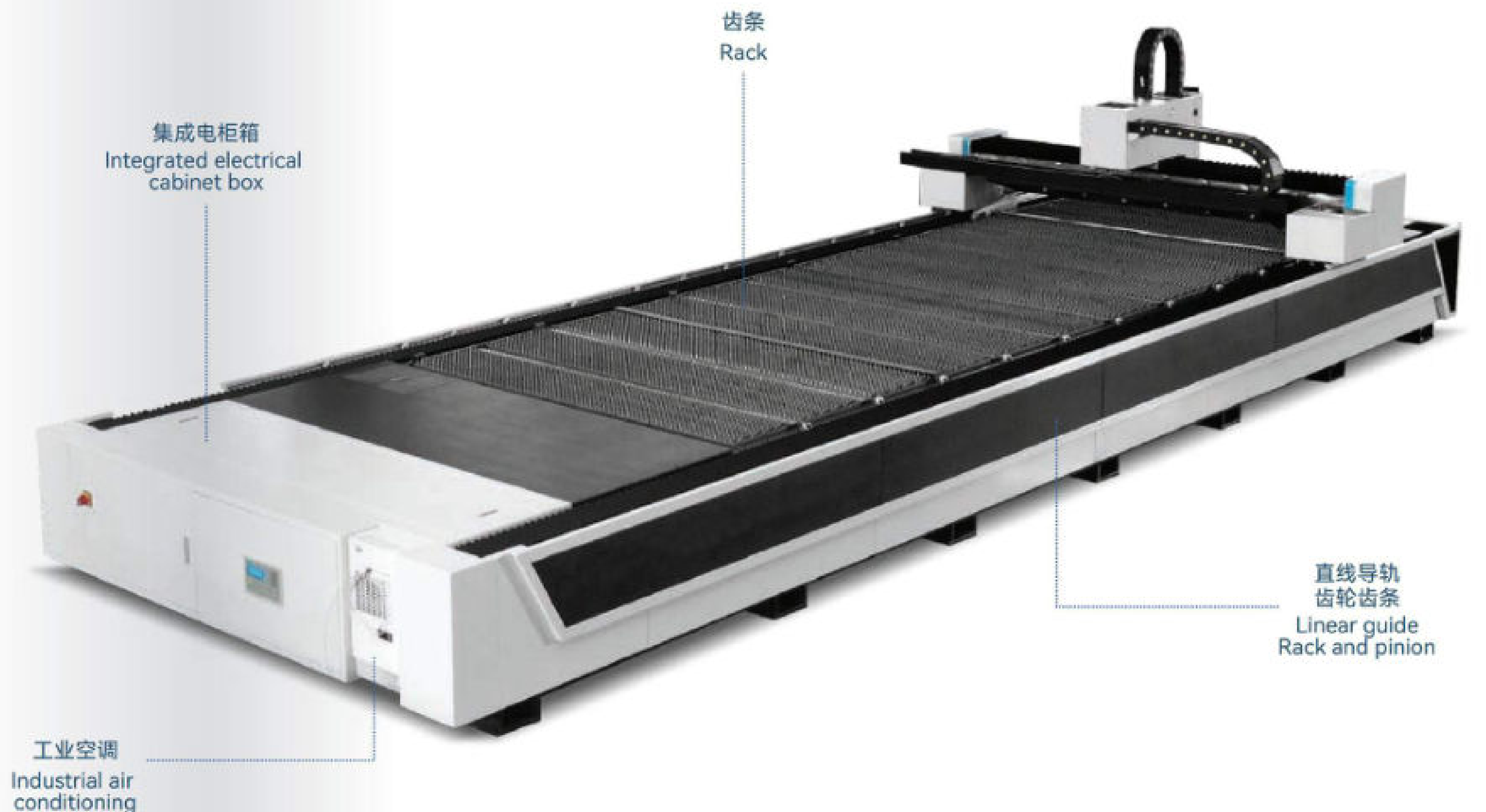
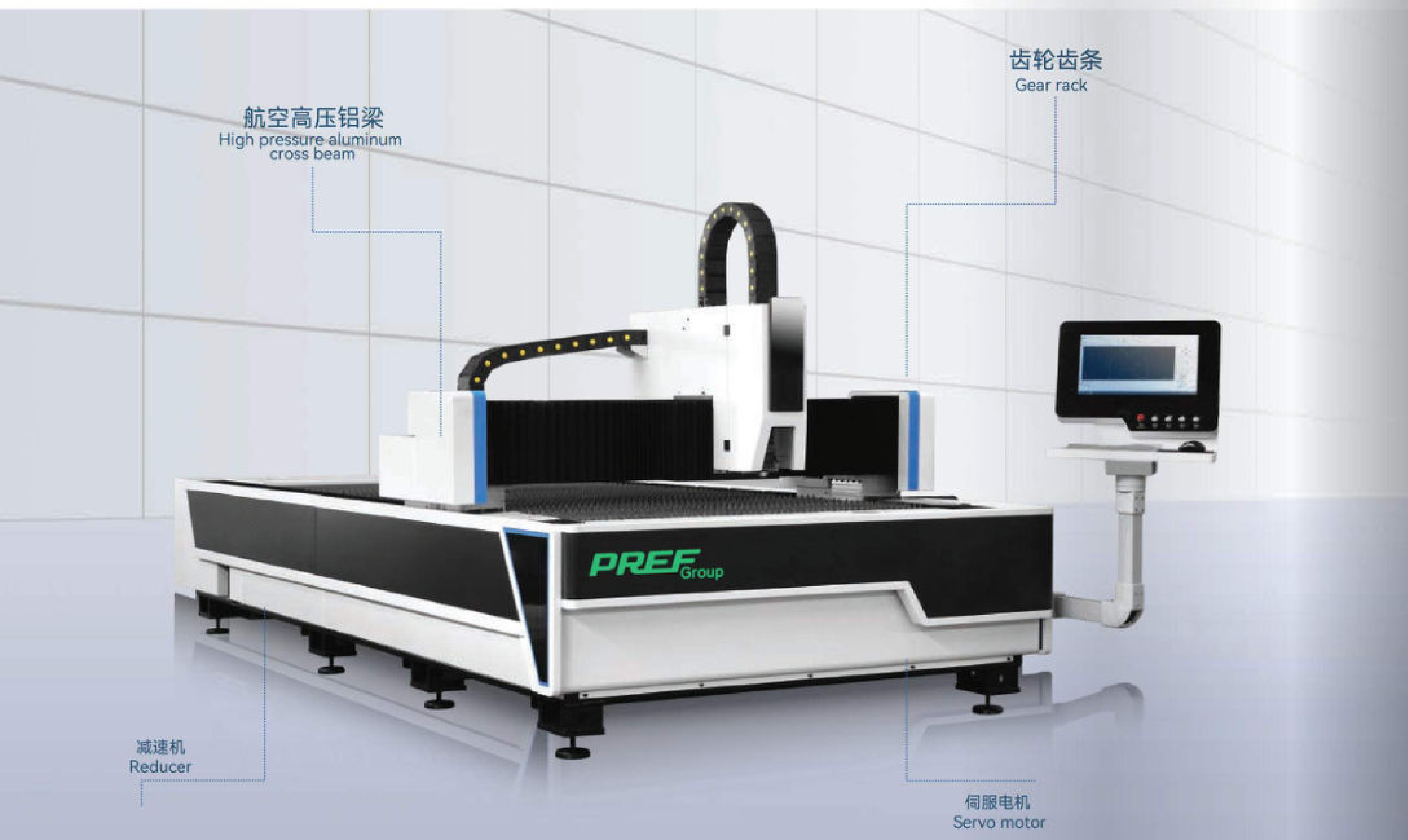
Fiber Laser Cutting Machine

性能特点

ZYD系列光纤激光切割机在激光切割应用方面具有许多独特的优势。光束质量极好，适用于高速高精度切割。体积小巧、实现更高集成度。激光输出功率稳定、设备可靠性高。效率高、能耗低、节省使用成本动态特性好，工作效率高。

ZYD series fiber laser cutting machine has many unique advantages in laser cutting applications. Excellent beam quality, suitable for high-speed and high-precision cutting. Small size, higher integration. The laser output power is stable and the equipment reliability is high. High efficiency, low energy consumption and low cost. Good dynamic characteristics and high efficiency.

样品展示/Sample Display



技术参数/Technical Parameter

型号 Model	ZYD	3015	4015	4020	6020	6025	8025	10025	12025	13031	15031	20035	24040	25038
切割范围 Cutting range	(mm)	3000*1500	4000*1500	4000*2000	6000*2000	6000*2500	8000*2500	10000*2500	12000*2500	13000*3100	15000*3100	20000*3500	24000*4000	25000*3800
激光功率 Laser power	(W)	≤12000	≤12000	≤12000	≤60000	≤60000	≤60000	≤60000	≤60000	≤60000	≤60000	≤60000	≤60000	≤60000
最大定位加速度 Max. positioning acceleration	(m/s ²)	10	10	10	10	10	10	10	10	8	8	6	6	6
定位精度 Positioning accuracy	(mm/m)	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02
重复定位精度 Reposition accuracy	(mm)	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03

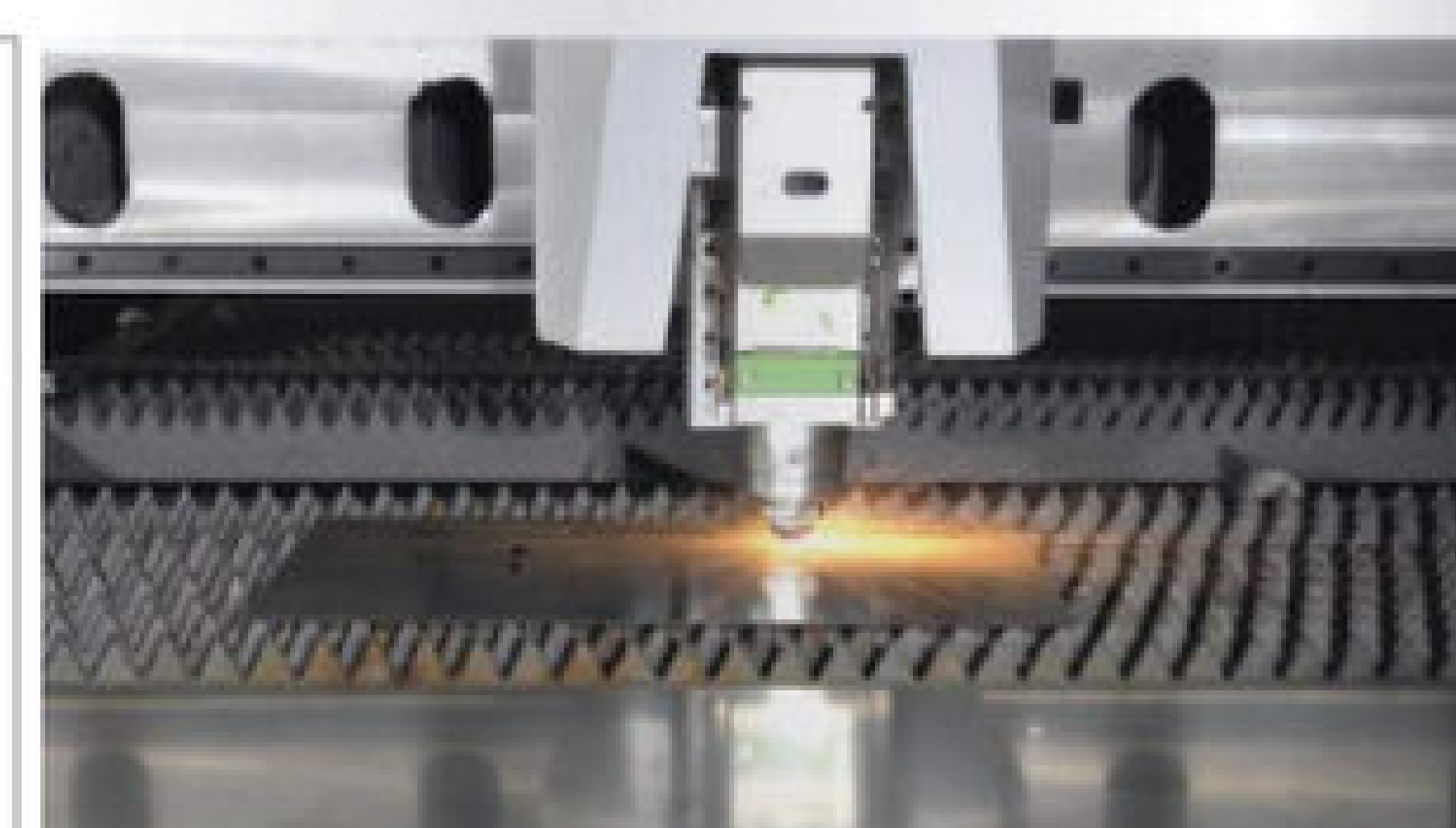
※参数如有变动，恕不另行通知；※ Parameters are subject to change without prior notice.



高密度铝合金横梁，动态性能好
High density aluminum beam, good dynamic performance



板管结合焊接，厚实刚毅
Plate and tube combined welding, thick and resolute



快速精准激光切割头
Fast and precise laser cutting head

ZYP series

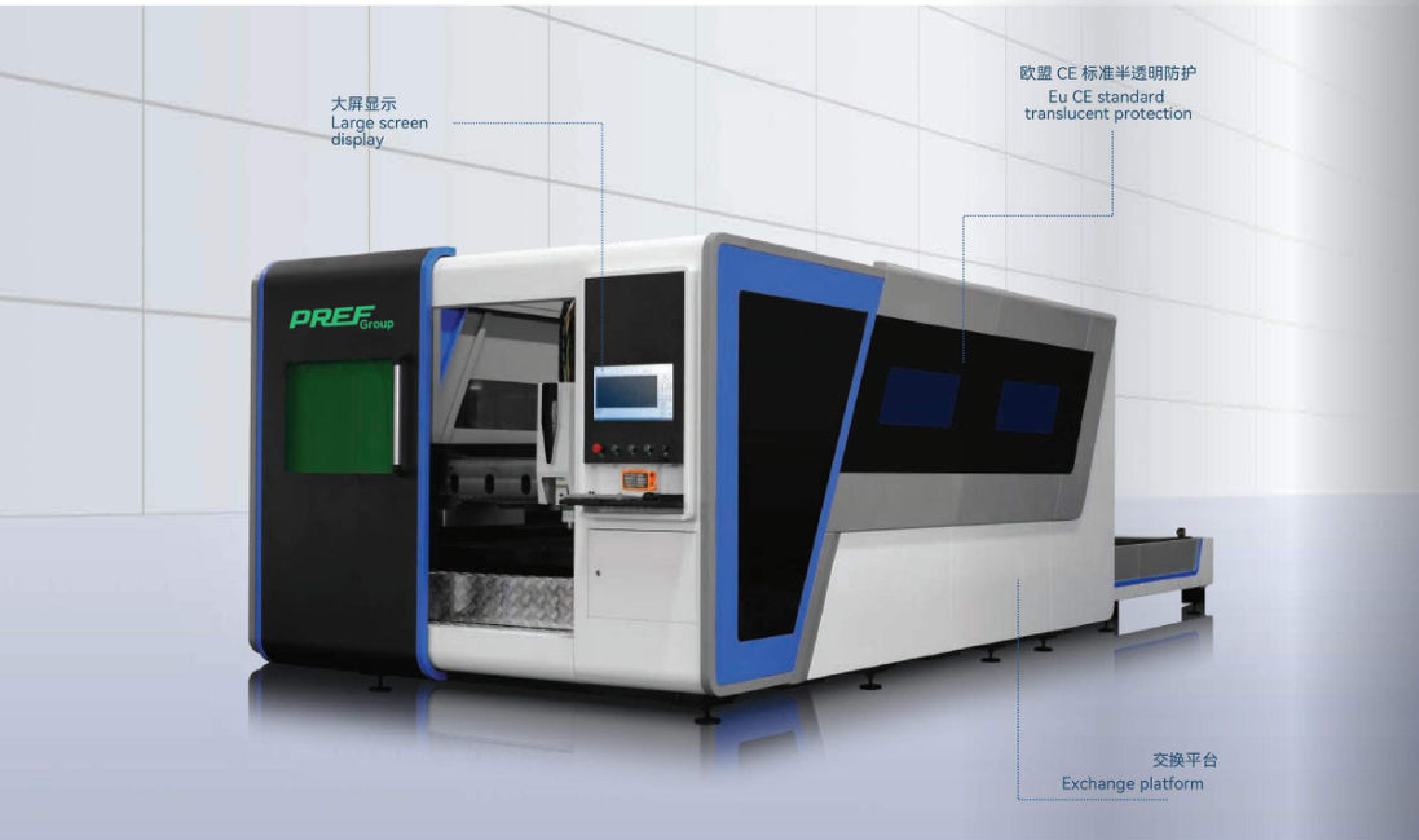
大包围交换台光纤激光切割机

Exchange Table Fiber Laser Cutting Machine

性能特点

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.



样品展示/Sample Display



平行交换工作台 Parallel switching table

高速平行交换台设计，双工作台同时交换，可快速完成交换，机器空闲时间更少。采用加厚型经纬焊接网状托料盘，用料扎实，承重性能好。

易于操作及维护修养。

High-speed parallel switchboard design, dual workstations at the same time exchange, can quickly complete the exchange, less machine idle time. The use of thickened warp and weft welded mesh tray, solid material, good bearing performance. Easy to operate and maintain.

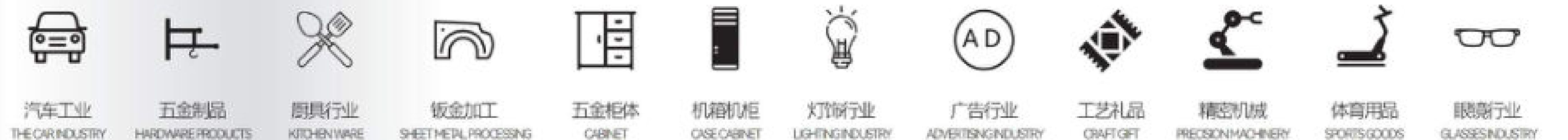
品牌激光头 Brand Laser Head

无需人工手动调焦，软件自动调节聚焦镜，控制上下高度，从而实现不同厚度板材自动穿孔切割，软件记忆不同板材焦距，操作更简单，是人工速度的十倍。

精度 0.01mm，适用于 0~20mm 不同型号板材。

准直镜片聚焦镜片双水冷，降低切割头温度，提高切割头寿命。

Without manual focusing, the software can automatically adjust the focus lens and control the height of the upper and lower parts, so as to realize the automatic piercing and cutting of plates with different thickness. The software can memorize the focal length of different plates, and the operation is simpler, which is ten times of the manual speed. The precision is 0.01mm, which is suitable for different types of plates from 0 to 20 mm. Double water cooling of collimating lens and focusing lens reduces the temperature of cutting head and improves the service life of cutting head.



技术参数/Technical Parameter

型号 Model	ZYP	3015	4015	4020	6015	6020	6025	8025	10025	12025	13030
切割范围 Cutting range	(mm)	3000*1500	4000*1500	4000*2000	6000*1500	6000*2000	6000*2500	8000*2500	10000*2500	12000*2500	13000*3000
激光功率 Laser power	(W)	≤12000	≤12000	≤12000	≤12000	≤60000	≤60000	≤60000	≤60000	≤60000	≤60000
最大定位加速度 Max. positioning acceleration	(m/s ²)	10	10	10	10	10	10	10	10	10	8
定位精度 Positioning accuracy	(mm/m)	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02
重复定位精度 Reposition accuracy	(mm)	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03

※参数如有变动，恕不另行通知；※ Parameters are subject to change without prior notice.



床身数控加工
CNC machining of bed



床身整体退火
Whole bed annealed



大功率驱动
High power drive

ZYDR / ZYPR series

板管一体光纤激光切割机

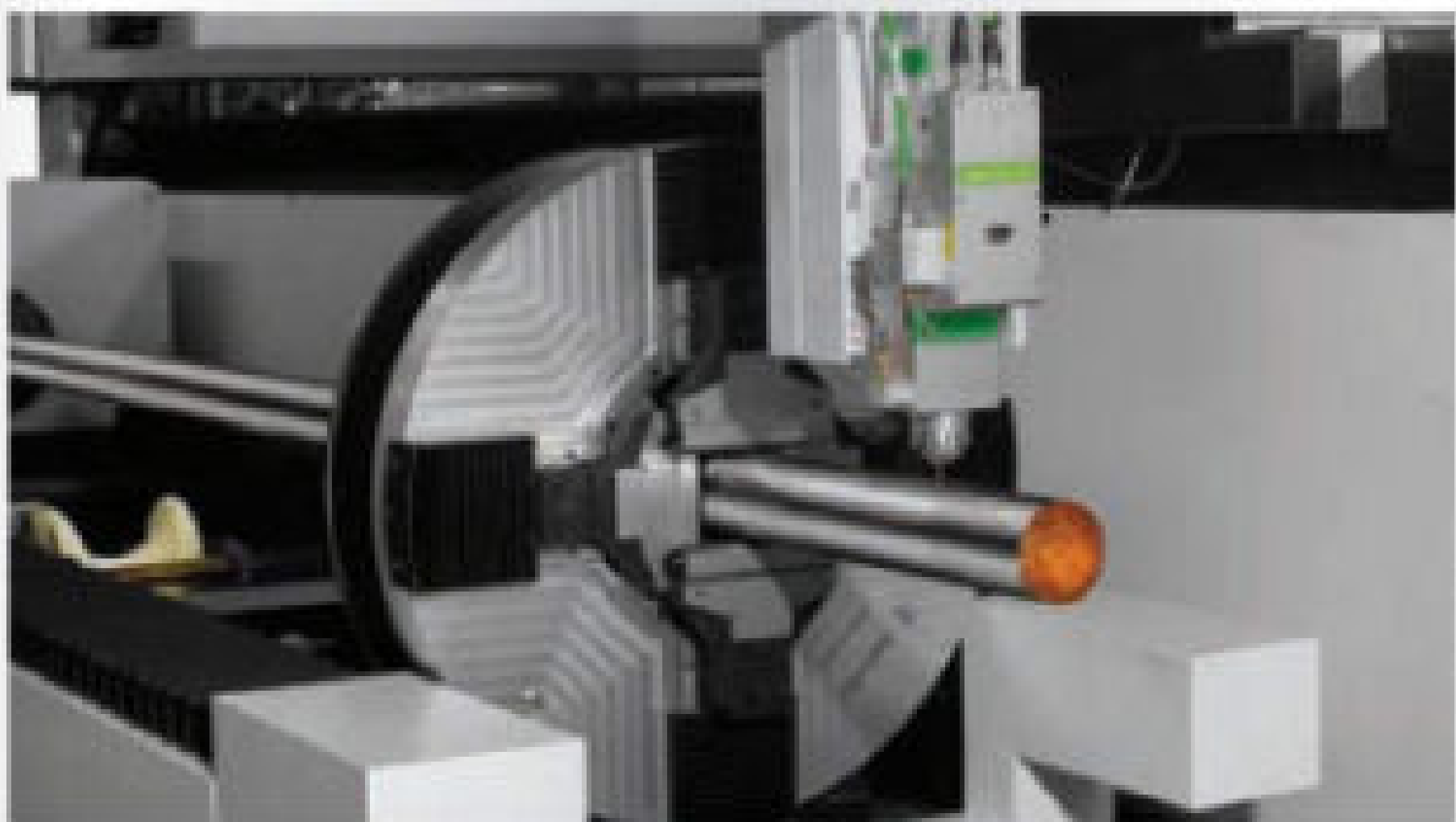
Fiber Laser With Tube Cutting Machine

性能特点

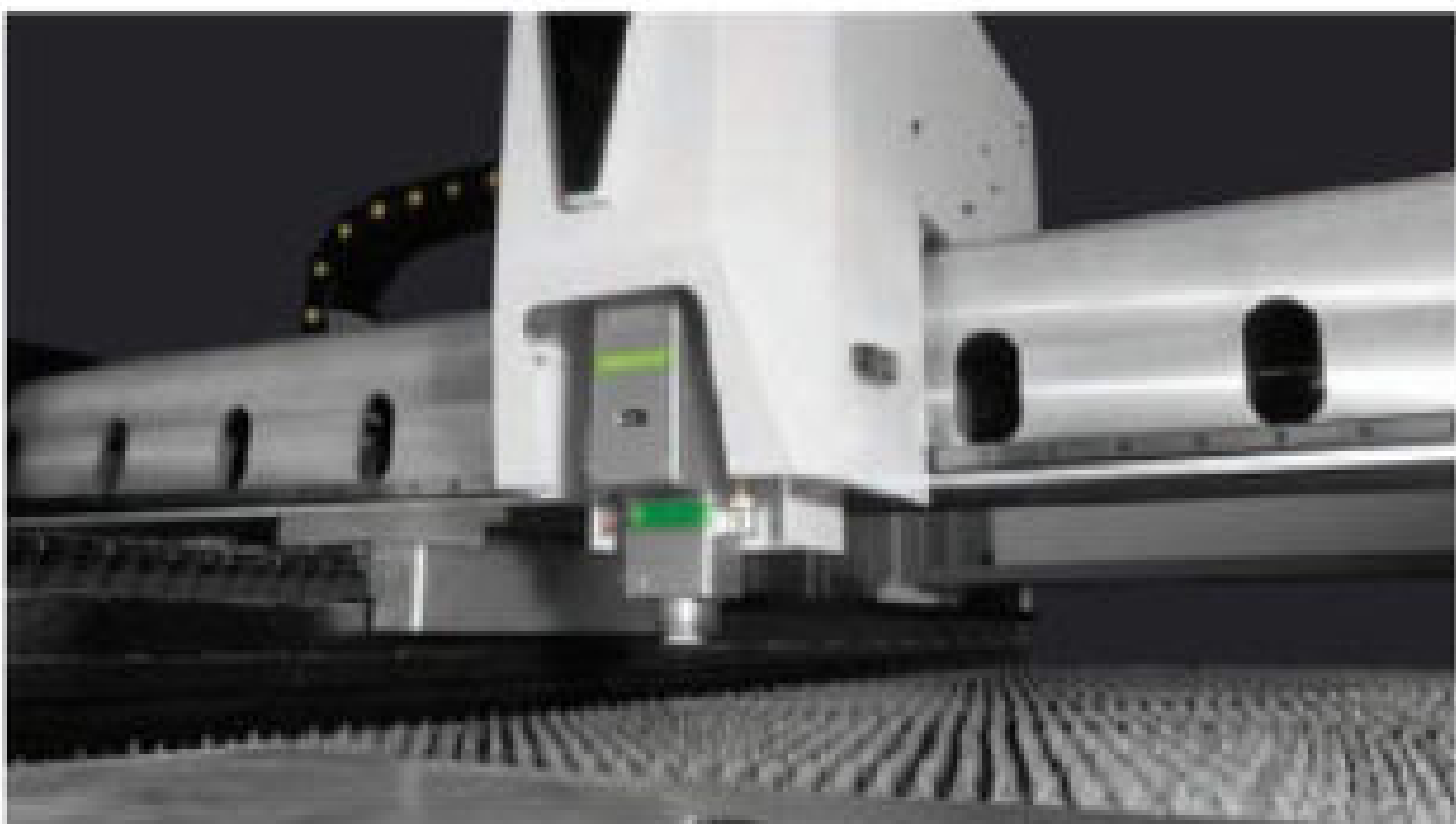
管板一体切割，互换方便，不仅能切割平板，而且能满足用户进行圆管、方管切割以及成型箱体的开孔加工需求。
能在圆管端部切割斜截端面；能切割与环形主管相交的支管相贯线端头；
能在圆管上切割方孔、腰型孔、圆孔；能进行钢管截断；
能在方管管面切割各种图形；能切割不同规格钢板；
能在成型箱体上开孔、切割；能在主管上切割多个不同方向、不同直径的圆管相贯线孔。

It can not only cut flat plates, but also meet the needs of users for cutting round tubes, square tubes and opening holes of molding boxes.
Can cut the diagonal end face at the end of the pipe; The end of the branch pipe intersecting with the annular main pipe can be cut;
Can cut square holes, waist holes, round holes on the round pipe; Can be truncated steel pipe;
Can cut all kinds of graphics on the surface of the square pipe; Can cut different specifications steel plate;
Can open holes and cut on the molding box; It can cut multiple round pipe intersecting line holes in different directions and diameters on the main pipe.

细节展示 Detail display



管材切割
Pipe cutting



板材切割
Plate cutting



遥控器
Remote control unit



型号 Model	ZYDR	3015	4015	4020	6015	6020	6025
切割范围 Cutting range	(mm)	3000*1500	4000*1500	4000*2000	6000*1500	6000*2000	6000*2500
切管长度 Cut length	(mm)	6000	6000	6000	6000	6000	6000
卡盘直径 Chuck diameter	(mm)	220/360	220/360	220/360	220/360	220/360	220/360
激光功率 Laser power	(W)	≤12000	≤12000	≤12000	≤12000	≤60000	≤60000
最大定位加速度 Maximum positioning acceleration	(m/s ²)	10	10	10	10	10	10
定位精度 Positioning accuracy	(mm/m)	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02
重复定位精度 Reposition accuracy	(mm)	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03

(标配切管长度6m，可定制切管长度) (Standard cut length 6m, can be customized cut length)

※参数如有变动，恕不另行通知；※ Parameters are subject to change without prior notice.

型号 Model	ZYPR	3015	4015	4020	6015	6020	6025
切割范围 Cutting range	(mm)	3000*1500	4000*1500	4000*2000	6000*1500	6000*2000	6000*2500
切管长度 Cut length	(mm)	6000	6000	6000	6000	6000	6000
卡盘直径 Chuck diameter	(mm)	220/360	220/360	220/360	220/360	220/360	220/360
激光功率 Laser power	(W)	≤12000	≤12000	≤12000	≤12000	≤60000	≤60000
最大定位加速度 Maximum positioning acceleration	(m/s ²)	10	10	10	10	10	10
定位精度 Positioning accuracy	(mm/m)	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02
重复定位精度 Reposition accuracy	(mm)	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03

(标配切管长度6m，可定制切管长度) (Standard cut length 6m, can be customized cut length)

※参数如有变动，恕不另行通知；※ Parameters are subject to change without prior notice.

ZYR series

专业管材光纤激光切割机

Fiber Laser Tube Cutting Machine

性能特点

专用管材激光切割机共有 7 个轴组成;
可实现圆管、方管、矩形管、圆管等各种管材的切割;
实现 6 米管材的一次性形成加工, 可选配 9 米、12 米等不同管长、管径切管机;
设备匹配了送料轴与拉料轴, 可大大减小加工尾料的浪费;
能在主管上切割多个不同方向、不同直径的管材;能切割变角度坡口面;被业界称为切管神机、带料专家。

The special pipe laser cutting machine consists of 7 shafts
It can realize the cutting of round, square, rectangular and elliptical pipes
It can realize the one-time forming and processing of 6-meter pipe, and can be equipped with 9-meter and 12-meter pipe cutting machines with different pipe lengths and diameters
The equipment is matched with feeding shaft and pulling shaft, which can greatly reduce the waste of processing tailings
It can cut multiple pipes with different directions and diameters on the main pipe;It can cut variable angle groove surface;It is known as pipe cutting machine and material expert in the industry.



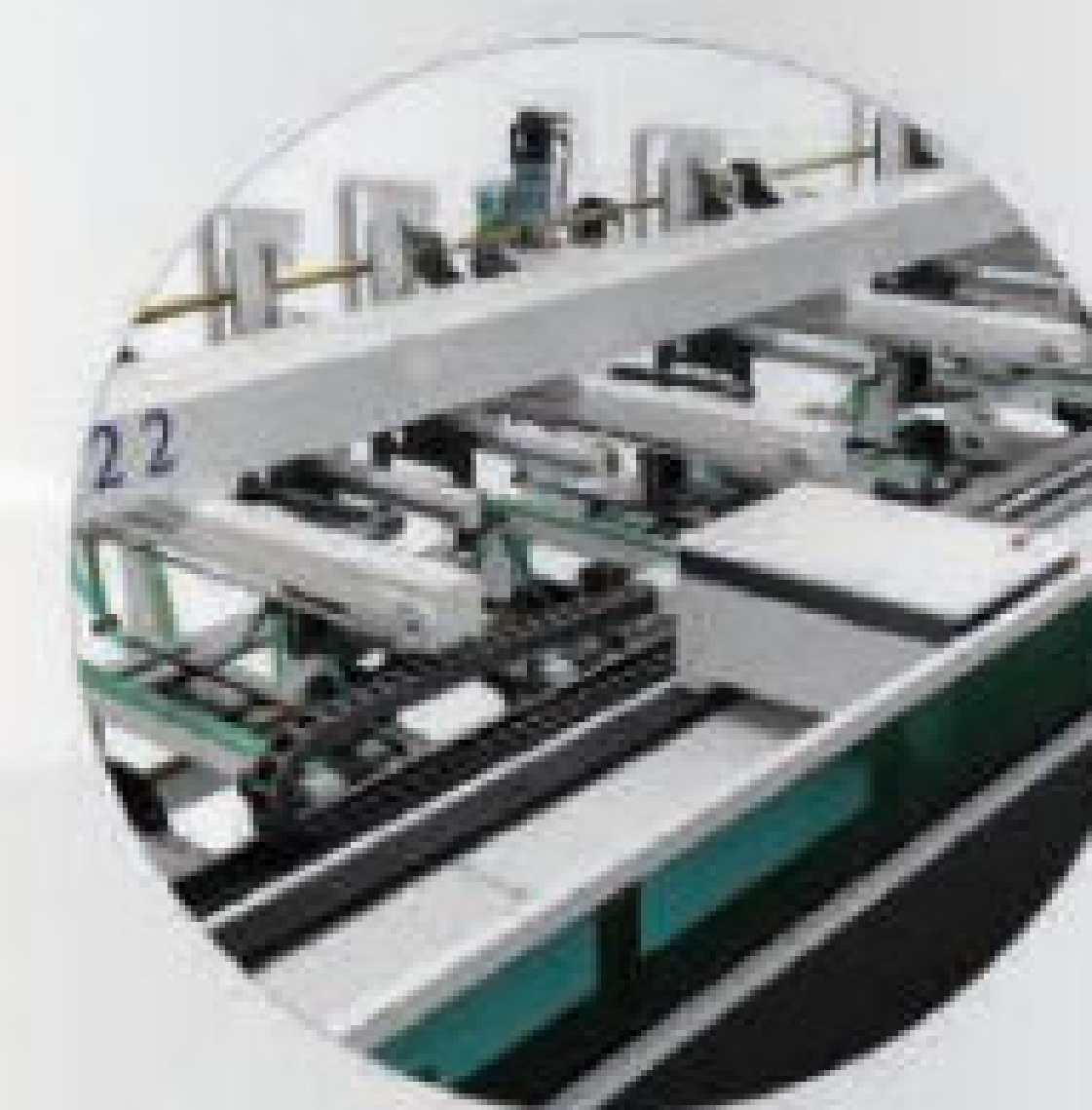
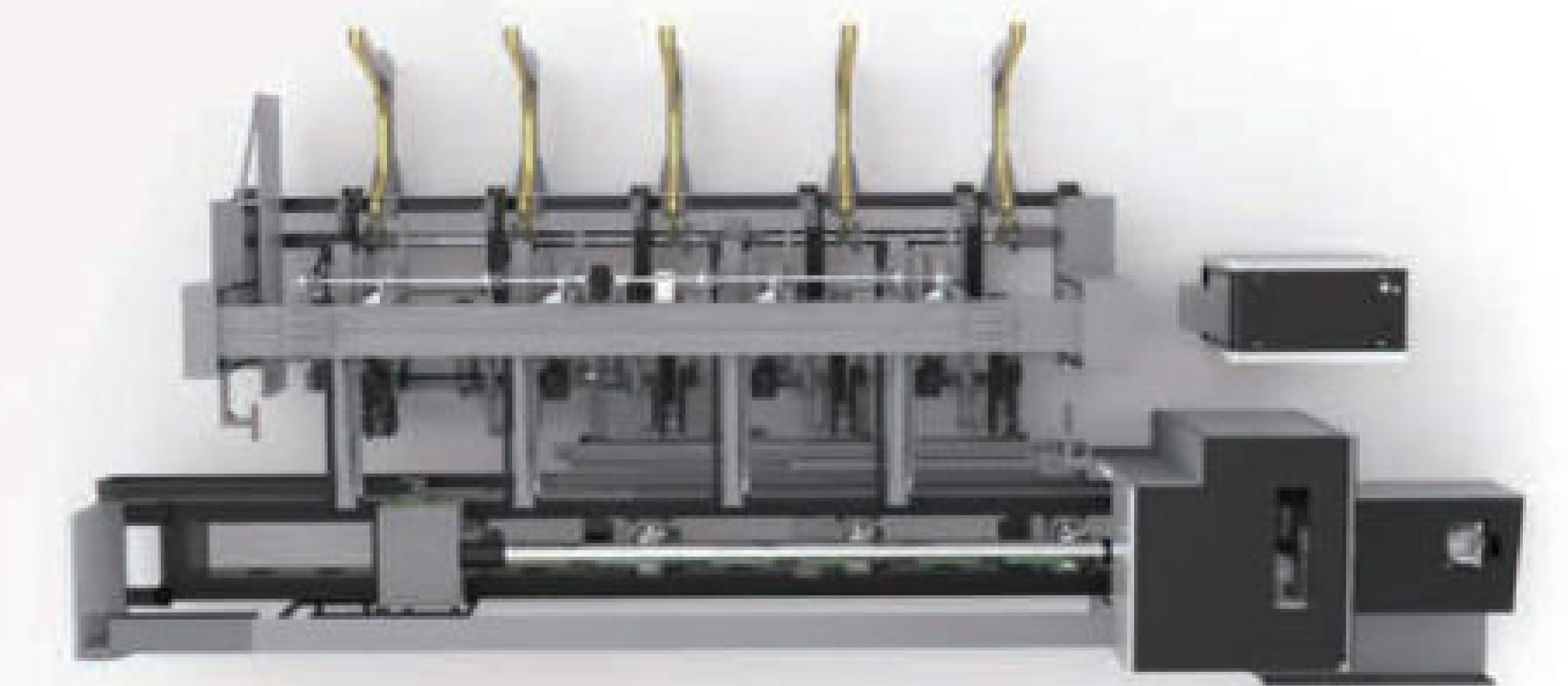
样品展示/Sample Display



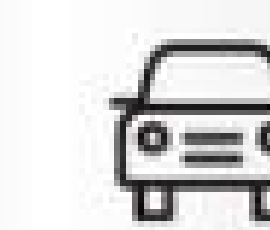
可选配自动上料线 Optional automatic feeding line

搭配半自动或全自动上下料系统, 减少对人工的依赖, 降低操作人员的劳动强度, 令切管如此轻松。

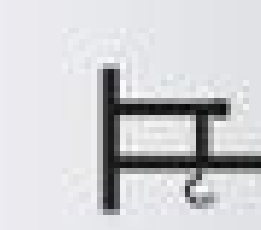
With semi-automatic or full-automatic loading and unloading system, reduce the dependence on labor, reduce the labor intensity of the operator, make the pipe cutting so easy.



标准接口, 随时可升级上料装置
Standard interface, the feeding device can be upgraded at any time



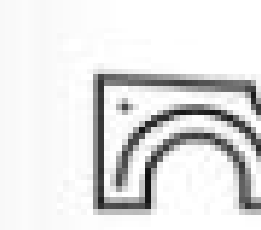
汽车工业
THE CAR INDUSTRY



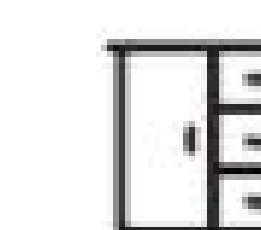
五金制品
HARDWARE PRODUCTS



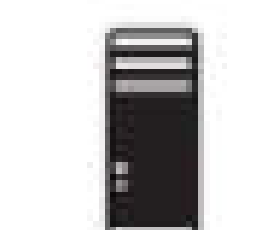
厨具行业
KITCHENWARE



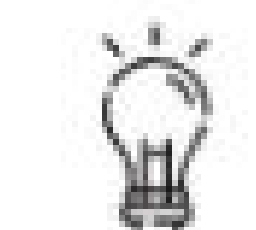
钣金加工
SHEET METAL PROCESSING



五金柜体
CABINET



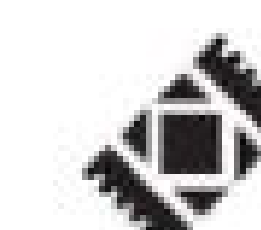
机箱机柜
CASE CABINET



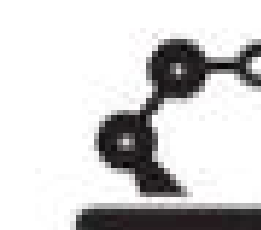
灯饰行业
LIGHTING INDUSTRY



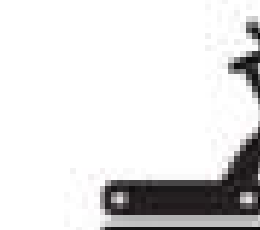
广告行业
ADVERTISING INDUSTRY



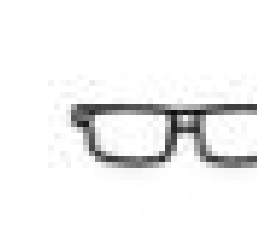
工艺礼品
CRAFT GIFT



精密机械
PRECISION MACHINERY



体育用品
SPORTS GOODS



眼镜行业
GLASSES INDUSTRY

型号 Model	ZYR	6022	6036	7036	7040	8022	8036	9022	9036	9056	12022	12036	12056
切管长度 Pipe cutting length	(mm)	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
卡盘直径 Chuck diameter	(mm)	220	360	360	400	220	360	220	360	560	220	360	560
激光功率 Laser power	(W)	≤6000	≤6000	≤6000	≤6000	≤6000	≤6000	≤6000	≤6000	≤6000	≤6000	≤6000	≤6000
最大定位加速度 Max. positioning acceleration	(m/s ²)	10	10	10	10	10	10	10	10	10	10	10	10
定位精度 Positioning accuracy	(mm/m)	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02
重复定位精度 Reposition accuracy	(mm)	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03
旋转轴速度 Rotation axis speed	(rpm)	80	80	80	80	80	80	80	80	80	80	80	50

※参数如有变动, 恕不另行通知; ※ Parameters are subject to change without prior notice.

ZYRF series

三卡盘光纤激光切管机

3-Chuck Fiber Laser Tube Cutting Machine

性能特点

采用三卡盘零尾料设计，提高材料利用率

卡盘具有自我调节中心功能，可实现快速定心装夹

三卡盘结构配合中间卡盘避让功能，能够辅助矫正小管材的自身形变，提高切割精度

高速全自动切割，满足圆管、方管、矩形管等异型管材的切割

Three chuck no tailings design to improve material utilization

The chuck has the function of self-adjusting center, which can realize fast centering and clamping

The three chuck structure with the middle chuck avoidance function can help correct the self-deformation of the small pipe and improve the cutting accuracy

High-speed automatic cutting, to meet the round pipe, square pipe, rectangular pipe and other special-shaped pipe cutting

小尾料技术

Small tailings technology

后卡盘加长设计，可深入前卡盘，实现小尾料切割

The rear chuck lengthened design can penetrate into the front chuck to achieve small tail cutting

三卡移动技术

Three card mobile technology

中间卡盘可移动，合理避让，随动对中装置防止工件甩动，保障加工精度，实现“零尾料”切割

The middle chuck can be moved, reasonable avoidance, and the following centering device can prevent the workpiece from swinging, ensure the processing accuracy, and realize the cutting of "no tailings material"

随动升降对中技术

Follow up and down centering technology

根据管材转动高度，实时调整，全时段托举管材，保障管材稳定切割

Adjust in real time according to the rotating height of the pipe, lift the pipe all the time, and ensure the stable cutting of the pipe

下料长度可定制

Blanking length can be customized

细节展示 Detail display



一体化设计

Integrated design

控制柜、激光器跟主机一体化，减少占地面积，方便安装维护免装空调房，提高空间利用率，降低运营成本

Control cabinet, laser and host integration, reduce the floor area, convenient installation and maintenance of free air conditioning room, improve space utilization, reduce operating costs

跟随式落料支撑

Follow type blanking support

根据管材转动高度，实时调整，平缓落料惯性，保障管材稳定切割

According to the rotating height of the pipe, real-time adjustment, smooth blanking inertia, to ensure the stable cutting of the pipe

分段式伺服支撑

Segmented servo support

包容性好，大小管都能胜任，对各种管材可随动支撑，稳定高效，不损工件，落料顺畅

Good inclusiveness, the size of the pipe can be competent, all kinds of pipes can be supported, stable and efficient, no damage to the workpiece, smooth blanking

细节展示 Detail display



榫卯焊接床身

Mortise and tenon welded bed

伺服下料模块

Servo blanking module

伺服随动支撑

Servo follow-up support

型号 Model	ZYRF	6022	6036	7036	7040	8022	8036	9022	9036	9056	12022	12036	12056
切管长度 Cut length	(mm)	6000	6000	6000	6000	8000	8000	9000	9000	9000	12000	12000	12000
卡盘直径 Chuck diameter	(mm)	220	360	360	400	220	360	220	360	560	220	360	560
激光功率 Laser power	(W)	≤12000	≤12000	≤12000	≤12000	≤12000	≤12000	≤12000	≤12000	≤30000	≤12000	≤12000	≤30000
最大定位加速度 Maximum positioning acceleration	(m/s ²)	10	10	10	10	10	10	10	10	10	10	10	10
定位精度 Positioning accuracy	(mm/m)	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02
重复定位精度 Reposition accuracy	(mm)	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03
旋转轴速度 Rotational axis velocity	(rpm)	80	80	80	80	80	80	80	80	80	80	80	80

※参数如有变动，恕不另行通知； ※ Parameters are subject to change without prior notice.

ZYS series

液压闸式(数控)剪板机

Hydraulic Guillotine Shearing Machine

性能特点

采用欧洲风格的机器造型设计, 新颖独特, 美观大方。
机架、刀架采用钢结构件, 上刀架经回火处理消除其内应力, 刚性强, 组织稳定性好。
刀架在油缸的作用下, 沿导轨上下运动, 实现剪板动作。
后挡料采用滚珠丝杠传动, 挡料距离的调节由电机驱动。定位准确, 运行快速平稳。
压料机构由一组压料油缸组成, 压料油缸在压力油作用下, 克服弹簧的拉力压紧板料。
在剪切完成后, 借助于弹簧的拉力而复位。
为方便较宽板料的剪切, 在机器的正面设有前托料架。其中一个设有标尺及侧定位挡块。
液压系统有超负荷溢流安全保护, 油位高度清晰直观显示, 机床可在额定负载下连续工作 16 小时, 液压系统保证无泄漏且加工持续稳定, 精度高。

European style machine design, novel and unique, beautiful and generous.
The frame and tool rest are made of steel structural parts, and the upper tool rest is tempered to eliminate its internal stress, with strong rigidity and good organizational stability.
Under the action of the oil cylinder, the tool holder moves up and down the guide rail to realize the shearing action.
The back gauge is driven by ball screw, and the adjustment of the stopper distance is driven by motor. Accurate positioning, fast and smooth operation.
The material pressing mechanism is composed of a set of material pressing oil cylinder. The material pressing oil cylinder overcomes the tension of the spring under the action of the pressure oil.
After the shear is complete, it is reset by means of the tension of the spring.
In order to facilitate the cutting of a wider sheet material, a front supporting frame is provided on the front of the machine. One of them has a scale and side positioning stop.
The hydraulic system has overload overflow safety protection, the oil level height is clearly and intuitively displayed, the machine can work continuously for 16 hours under the rated load, the hydraulic system ensures no leakage and the processing is continuous and stable, and the precision is high.

PREF Group

细节展示 Detail display



前送料工作台
Front feeding workbench



进口SUNNY油泵
Imported SUNNY oil pump



优质液压阀组
High quality hydraulic valve group



三点式滚动导轨 Three-point rolling guide rail

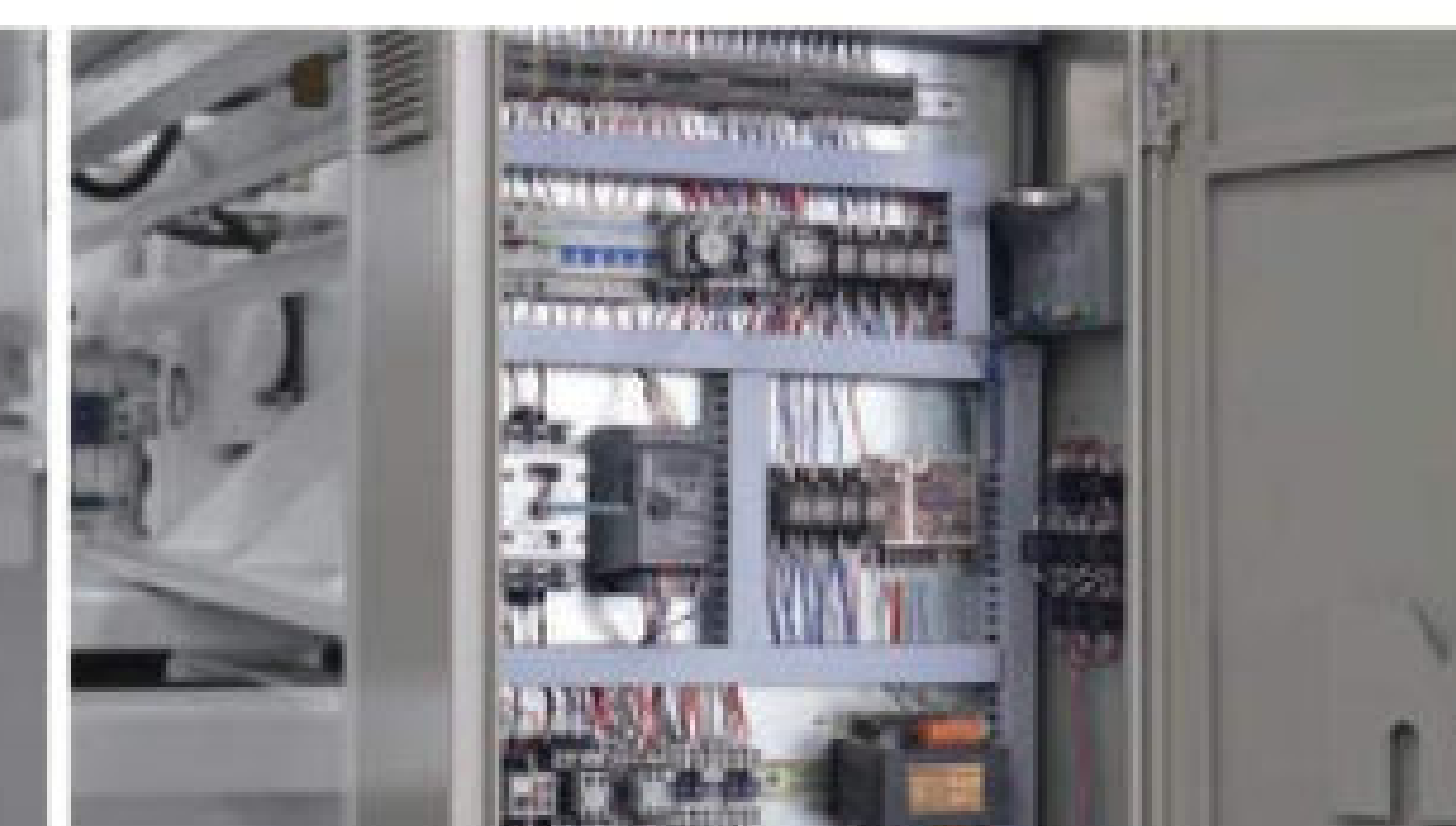
- 三点式滚动导轨。前预压导轨使刀架始终贴在后上滚轮和前后下滚轮上, 往复运动无间隙。
- 滚轮选用进口产品。
- 上刀架前倾剪切, 剪切断面质量高。
- 上支点固定, 精度保持性好。
- 通过下支点快速调整刀片间隙, 方便可靠, 适当的刀片间隙会获得满意的剪切断面。
- Three-point rolling guide rail. The front preloaded guide rail makes the tool holder always attached to the rear upper roller and the rear lower roller, and the reciprocating movement is without clearance.
- Roller selection of imported products.
- Forward cutting of upper tool holder, high cutting section quality.
- The upper fulcrum is fixed, and the accuracy is good.
- Through the lower fulcrum to quickly adjust the blade clearance, convenient and reliable, appropriate blade clearance will obtain a satisfactory shear section.



主电机
Main motor



后挡料X轴电机
Back gauge X-axis motor



施耐德电气
Schneider Electric

QC11Y/K series

液压闸式(数控)剪板机

Hydraulic Guillotine Shearing Machine

性能特点

机架、刀架采用钢结构件，上刀架经回火处理消除其内应力，刚性强、组织稳定性好。刀架在油缸的作用下，沿导轨上下运动，实现剪板动作。

后挡料采用滚珠丝杠传动，挡料距离的调节由电机驱动。定位准确，运行快速平稳。

压料机构由一组压料油缸组成，压料油缸在压力油作用下，克服弹簧的拉力压紧板料。

在剪切完成后，借助于弹簧的拉力而复位。

为方便较宽板料的剪切，在机器的正面设有前托料架。其中一个设有标尺及侧定位挡块。

液压系统有超负荷溢流安全保护，油位高度清晰直观显示，机床可在额定负载下连续工作 16 小时，液压系统保证无泄漏且加工持续稳定，精度高。

The frame and tool rest are made of steel structural parts, and the upper tool rest is tempered to eliminate its internal stress, with strong rigidity and good organizational stability.

Under the action of the oil cylinder, the tool holder moves up and down the guide rail to realize the shearing action.

The back gauge is driven by ball screw, and the adjustment of the stopper distance is driven by motor. Accurate positioning, fast and smooth operation.

The material pressing mechanism is composed of a set of material pressing oil cylinder. The material pressing oil cylinder overcomes the tension of the spring under the action of the pressure oil.

After the shear is complete, it is reset by means of the tension of the spring.

In order to facilitate the cutting of a wider sheet material, a front supporting frame is provided on the front of the machine. One of them has a scale and side positioning stop.

The hydraulic system has overload overflow safety protection, the oil level height is clearly and intuitively displayed, the machine can work continuously for 16 hours under the rated load, the hydraulic system ensures no leakage and the processing is continuous and stable, and the precision is high.

细节展示 Detail display



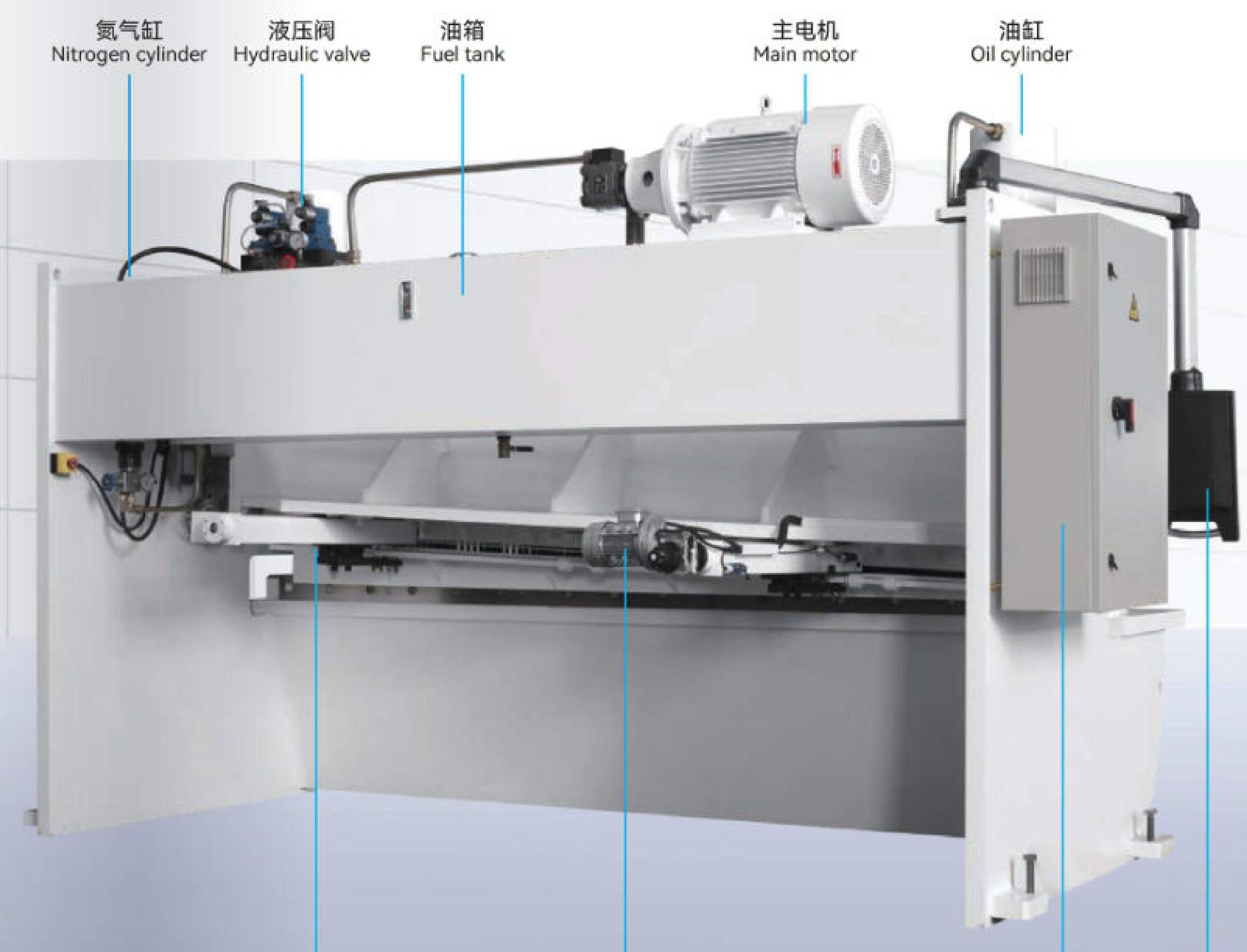
垂直方向运动导轨
Vertical motion rail



电动调节刀片间隙
Electric adjustment of blade clearance



电机和进口SUNNY油泵
Motor and imported Sunny oil pump



氮气缸
Nitrogen cylinder

液压阀
Hydraulic valve

油箱
Fuel tank

主电机
Main motor

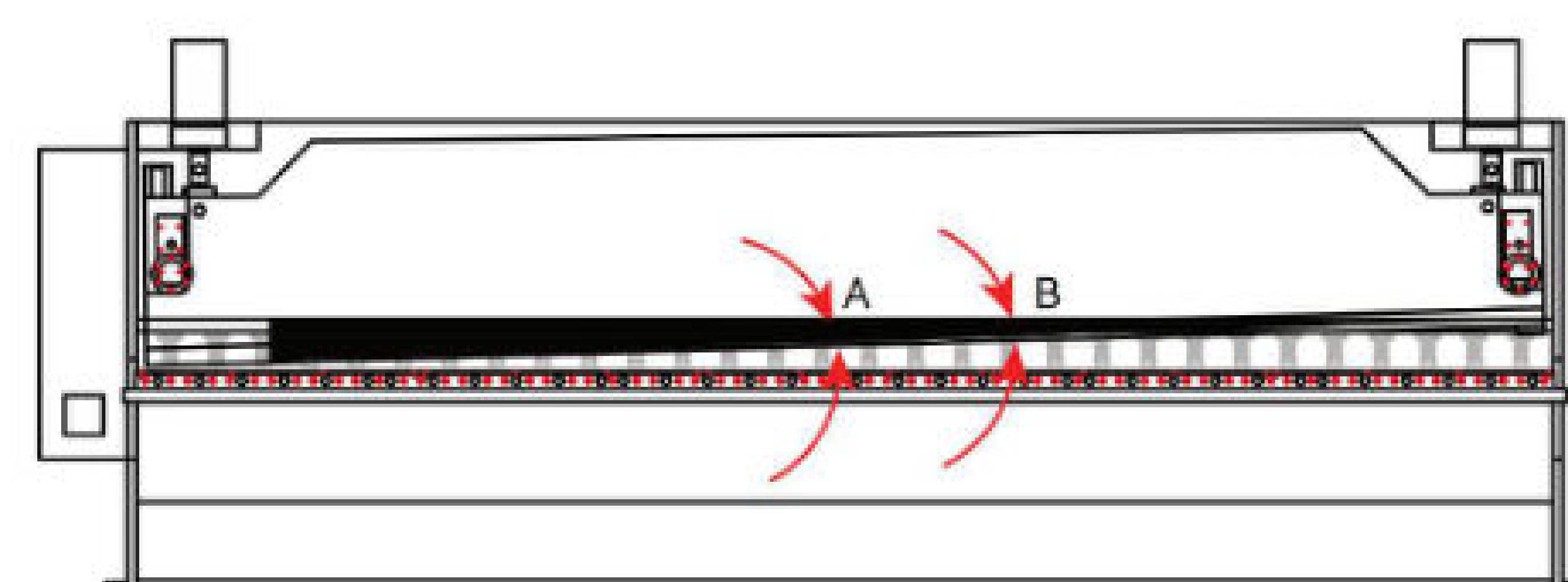
油缸
Oil cylinder

刀架
Blade beam

后挡料电机
Back gauge motor

电柜箱
Electrical cabinet

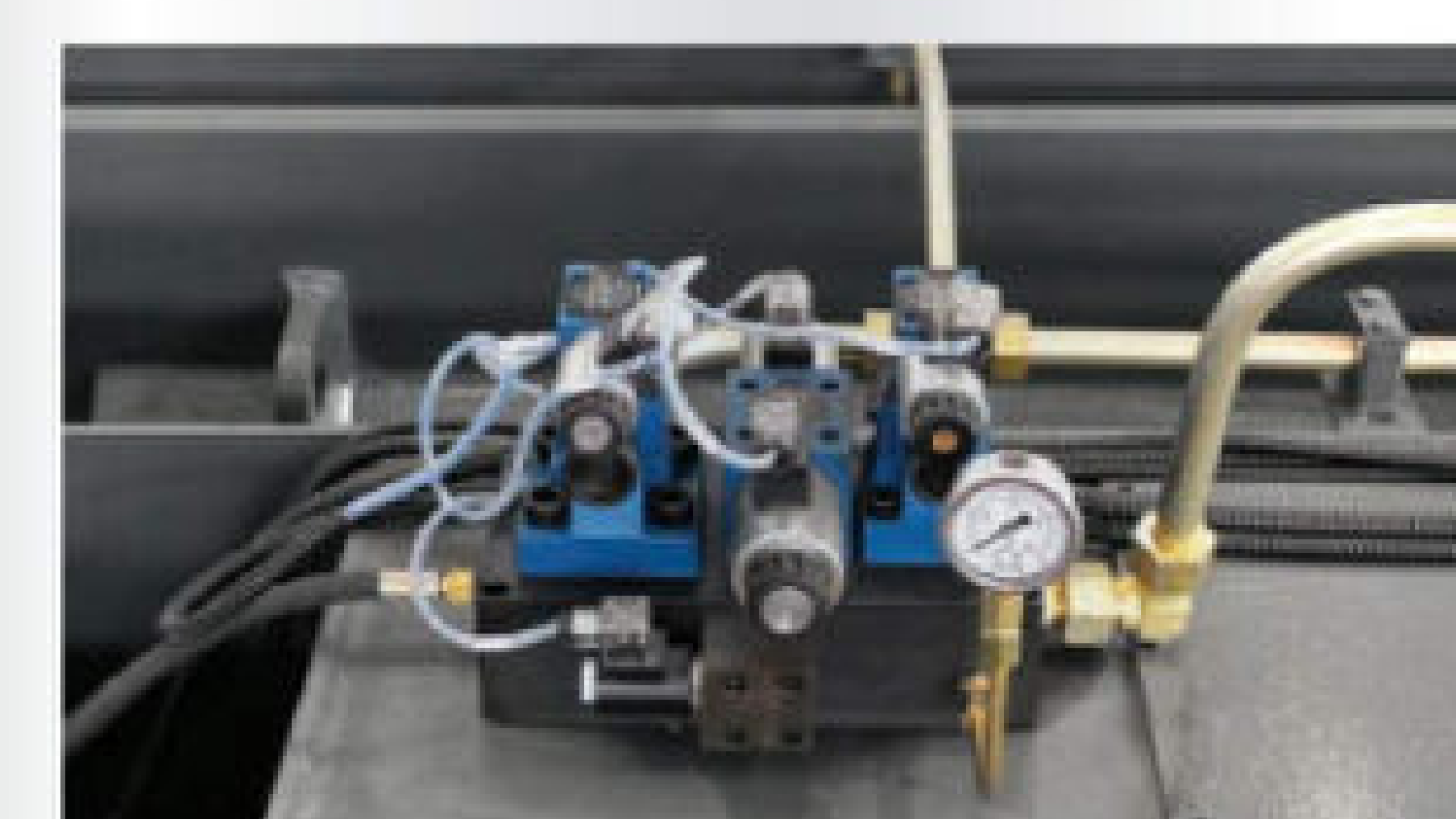
数控系统
Numerical control system



剪切角可以调节

The shear Angle is adjustable and

- 机动调整剪切角，方便快捷，切口平直无毛刺。
- 液压电控调整剪切角度，剪切角可在规定范围内调整。剪切薄板时可进一步提高剪切质量，剪切厚板时可增加被剪板材的角度。在剪切狭窄的条料时剪切角可调整功能的优势更为突出：较小的剪切角可减少条料的扭曲变形。
- Maneuvering to adjust the shear Angle, convenient and fast, straight cut without burrs.
- Hydraulic electric control to adjust the shear Angle. The shear Angle can be adjusted within the specified range. The shearing quality can be further improved when cutting thin plates, and the Angle of the cut plate can be increased when cutting thick plates. The advantage of the adjustable shear Angle is even greater when shearing narrow strips: a smaller shear Angle reduces the distortion of the strips.



优质液压阀组
High quality hydraulic valve set



氮气回程阀
Nitrogen return valve



后挡料电机
Back gauge motor

CNC System (Optional)

数控系统 -选配



标配(Standard)

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 个工步;
单边定位, 退让功能;
参数一键备份与恢复;
公英制转换, 中英文;
LCD 显示屏;

Back gauge control, control for general AC motor, frequency inverter;
Intelligent positioning, double programmable digital output;
Stock counter, program memory of up to 40 programs, up to 25 steps per program;
One side positioning, retract function;
One key backup, restore of parameters;
mm/inch transmission, Chinese/English transmission;
LCD display;



选配(optional)

DAC360T

面板式安装; 高亮LCD显示屏;
后/前挡料控制; 退让功能;
剪切角度和间隙控制; 剪切行程限制;
全部轴都可以手动移动; 压力控制;
板材厚度检测;
返回到送料位置功能;
板料支撑功能

Panel based housing; Bright LCD screen;
Back / front gauge control; Retract function;
Cutting angle and gap control; Stroke length limitation;
Manual movement of all axes; Force control;
Sheet thickness measurement;
Return to Sender function;
Sheet support



选配(optional)

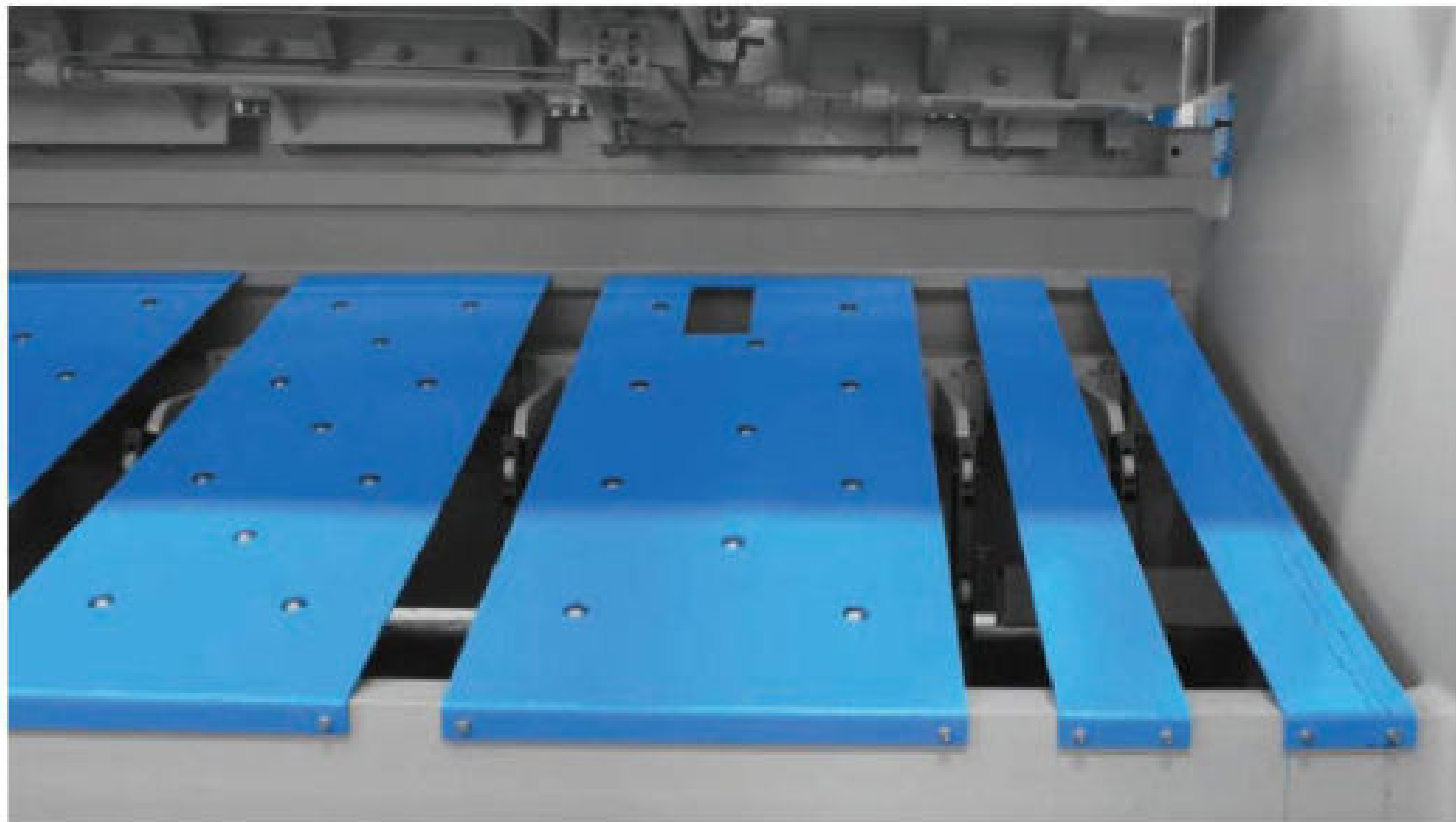
E200PS

彩色 LCD 高清显示屏, 具有中英文两种语言可选, 一页显示编程参数, 编写程序时更加快捷方便。
采用 CAN 总线技术, 伺服控制 X、Y 轴, 控制精度高, 分辨率可达 0.001;
安装接线简单, 提高了系统的可靠性。剪切行程: 内置剪切时间继电器, 操作简单, 节约成本
内置刀口间隙、剪切行程、退让延时等控制功能, 可根据实际需要设置参数, 对间隙剪程、退让等进行实时控制。
刀口间隙: 编码器反馈, 适时显示刀口间隙大小, 操作简单方便。
具有机床动作控制功能, 简化电柜内的接线, 节约成本, 提高可靠性。
面板上所有按键均为微动开关, 经过 EMC、高低温、振动等严格测试, 确保产品的稳定性和使用寿命。
具有自诊断和实时报警功能, 调试与维护更为方便。
预留安全接口, 方便扩展。
具有参数一键备份与恢复功能, 可根据需要随时恢复参数, 降低维护成本。
面板上所有按键均为微动开关, 经过 EMC、高低温、振动等严格测试, 确保产品的稳定性和使用寿命。
通过 CE 认证, 满足海外市场需要。

Color LCD HD display, with English and Chinese language optional, one page display programming parameters, writing programs more fast and convenient.
CAN bus technology, servo control X, Y axis, high control accuracy, resolution up to 0.001;
Simple installation and wiring improve system reliability. Shear stroke: Built-in shear time relay, simple operation, cost saving
Built-in knife edge clearance, cutting stroke, yield delay and other control functions, can be set according to actual needs, the gap cutting range, yield and other real-time control.
Knife-edge gap: encoder feedback, timely display knife-edge gap size, easy to operate.
It has the function of machine tool action control, simplifies the wiring in the electric cabinet, saves cost and improves reliability.
All buttons on the panel are micro switches, which have been strictly tested by EMC, high and low temperature, vibration, etc., to ensure the stability and service life of the product.
With self-diagnosis and real-time alarm function, debugging and maintenance is more convenient.
Secure ports are reserved for easy expansion.
With one-click parameter backup and recovery function, parameters can be restored at any time as required, reducing maintenance costs.
All buttons on the panel are micro switches, which have been strictly tested by EMC, high and low temperature, vibration, etc., to ensure the stability and service life of the product.
Passed CE certification to meet the needs of overseas markets.

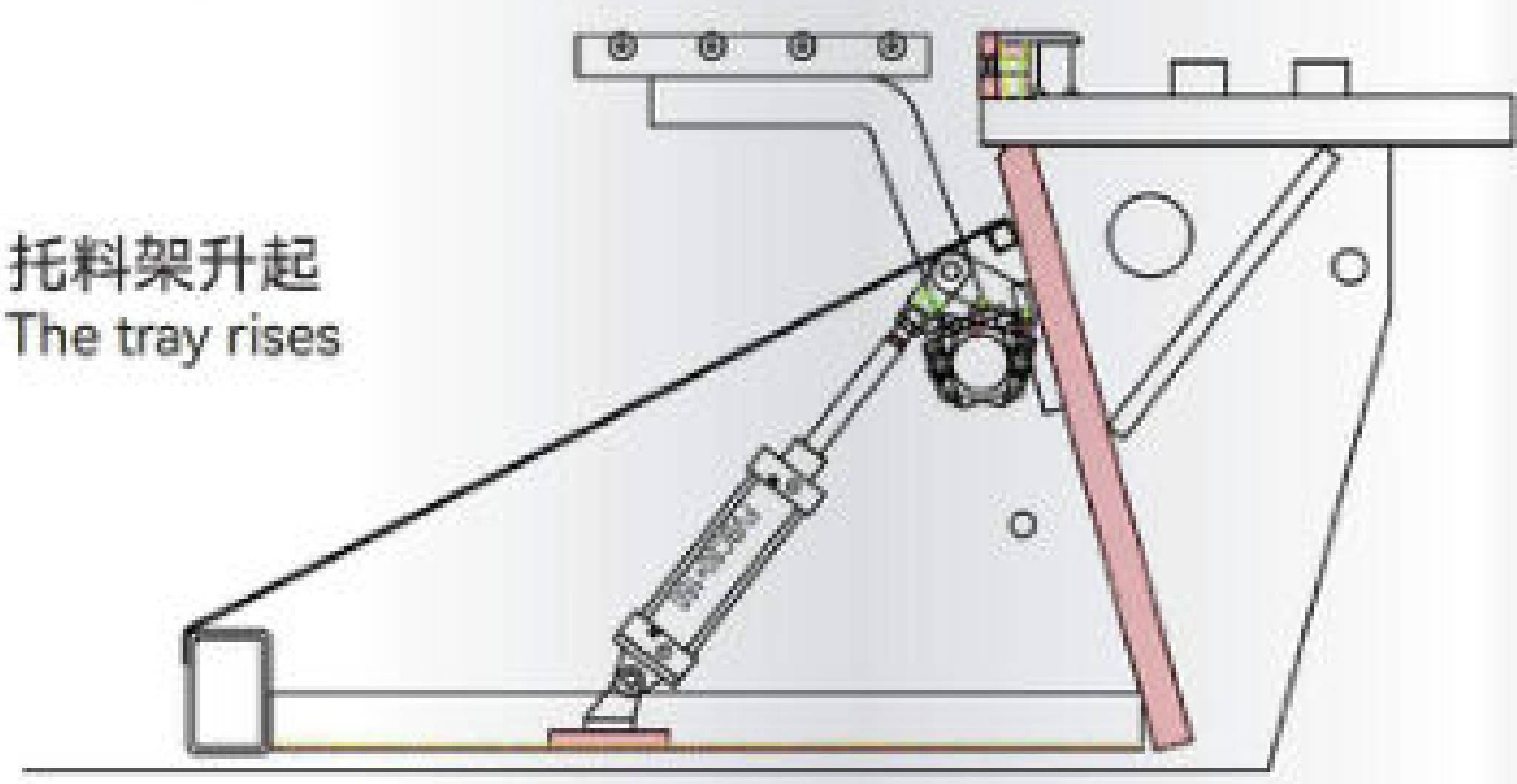
Pneumatic support structure (Optional)

气动托料结构 -选配



在剪切板料时, 对钢板进行水平托料, 提高剪切钢板的精度, 同时便于所剪板料的滑出。

When cutting the sheet material, the steel plate is supported horizontally to improve the precision of cutting the steel plate and facilitate the sliding out of the cut sheet material.



托料架升起
The tray rises

技术参数表
Technical Parameters

ZYS QC11Y/K Series



	型号 Model	可剪板厚 Thickness (mm)	可剪板宽 Width (mm)	剪切角 Cutting Angel (°)	后挡料行程 Back gauge travel (mm)	主电机 Main motor (Kw)	长度 Length (mm)	宽度 Width (mm)	高度 Height (mm)	重量 (约) Weight (approx) (Ton)
ZYS系列/SERIES	6×2500	6	2500	1~3	750	7.5	3200 × 2080 × 2000			5.2
	6×3200	6	3200	1~3	750	7.5	3800 × 2080 × 2030			6.1
	6×4000	6	4000	1~3	750	11	4600 × 2130 × 2200			8.9
	8×2500	8	2500	1~3	750	11	3200 × 2080 × 2000			5.5
	8×3200	8	3200	1~3	750	11	3800 × 2080 × 2120			6.5
	8×4000	8	4000	1~3	750	11	4600 × 2130 × 2220			9
QC11Y/K系列/SERIES	6×6000	6	6000	0.5~1.5	750	11	6650 × 2300 × 2460			16.8
	8×6000	8	8000	0.5~1.5	750	11	6650 × 2330 × 2570			18.5
	10×3200	10	3200	0.5~2	750	15	3850 × 2140 × 2200			8.6
	10×4000	10	4000	0.5~2	750	15	4650 × 2180 × 2320			10.5
	10×6000	10	6000	0.5~2	750	15	6650 × 2400 × 2800			23
	12×2500	12	2500	0.5~2	750	18.5	3150 × 1850 × 2110			8
	12×3200	12	3200	0.5~2	750	18.5	3850 × 1820 × 2310			9.4
	12×4000	12	4000	0.5~2	750	18.5	4650 × 1950 × 2450			11.8
	12×6000	12	6000	0.5~2	750	18.5	6650 × 2350 × 2880			26
	16×2500	16	2500	1~2.5	750	22	3150 × 2130 × 2130			9.2
	16×3200	16	3200	1~2.5	750	22	3850 × 2230 × 2250			11.8
	16×4000	16	4000	1~2.5	750	22	4650 × 2230 × 2560			15.2
	16×6000	16	6000	1~2.5	750	22	6800 × 2380 × 3020			34
	20×2500	20	2500	1~3	750	30	3200 × 2130 × 2500			12
	20×3200	20	3200	1~3	750	30	3900 × 2280 × 2600			14.8
	20×4000	20	4000	1~3	750	30	4700 × 2380 × 2850			19
	20×6000	20	6000	1~3	750	30	6800 × 2600 × 3360			43
	25×2500	25	2500	1~3.5	750	37	3200 × 2130 × 2620			14.7
	25×3200	25	3200	1~3.5	750	37	3900 × 2230 × 2810			19
	25×4000	25	4000	1~3.5	750	37	4700 × 2380 × 2860			24
	30×2500	30	2500	1~4	750	45	3200 × 2280 × 3010			19
	30×3200	30	3200	1~4	750	45	3900 × 2380 × 3110			24

※参数如有变动, 恕不另行通知; ※ Parameters are subject to change without prior notice.

QC12Y/K series

液压摆式(数控)剪板机

Hydraulic Swing Beam Shearing Machine

性能特点

运用UG(有限元)分析方法,经计算机辅助优化设计。机身采用整体钢板焊接结构,具有良好的强度、刚度及抗振性。
采用回火进行内应力消除。
整体框架采用打砂方式除锈,并喷有防锈漆。
工作台上设有辅助刀座,便于刀片作微量调节。
刀片间隙调整采用无级调整机构,适应不同板厚及材质的剪切需要。
矩形下刀片,可使用四个刃口剪切,延长了刀片的使用寿命。
调整剪切行程,既可提高加工效率,又可实现分段剪切功能。
剪切次数自动计数,减少了繁琐的清点工作。

Using UG(finite element) analysis method, the computer aided optimization design.
The body adopts integral steel plate welding structure, which has good strength, stiffness and vibration resistance.
Internal stress relief by tempering.
The whole frame is cleaned by sand and sprayed with anti-rust paint.
The table surface is provided with an auxiliary tool holder, which is convenient for the blade to make micro adjustment.
The table surface is equipped with feeding roller ball, easy to operate.
The blade clearance adjustment adopts stepless adjustment mechanism to adapt to the shearing needs of different plate thickness and material.
The rectangular lower blade can be cut with four cutting edges to extend the service life of the blade.
Adjusting the cutting stroke can not only improve the machining efficiency, but also realize the segmented cutting function.
The number of cuts is automatically counted, reducing tedious counting work.



细节展示 Detail display



品牌主电机和SUNNY油泵
Brand main motor and Sunny oil pump



摆式刀架结构
Pendulum blade beam structure



Rexroth液压阀
Rexroth hydraulic valve

QC12Y/K Series 技术参数表

型号 Model	可剪板厚 Thickness (mm)	可剪板宽 Width (mm)	剪切角 Cutting Angel (°)	材料强度 Material Intension (Kn/cm)	后挡料行程 Back gauge travel (mm)	剪切次数 Cutting Times (T/min)	主电机功率 Power (Kw)	重量(约) Weight (approx) (T)	外形尺寸 Overall Dimension L×W×H(mm)
4×2500	4	2500	1°30'	≤450	20-600	16	5.5	3.4	3100 × 1700 × 1650
4×3200	4	3200	1°30'	≤450	20-600	14	5.5	4	3800 × 1700 × 1650
4×4000	4	4000	1°30'	≤450	20-600	10	5.5	5.6	4600 × 1750 × 1750
6×2500	6	2500	1°30'	≤450	20-600	14	7.5	4.4	3100 × 1750 × 1700
6×3200	6	3200	1°30'	≤450	20-600	12	7.5	5.1	3800 × 1750 × 1700
6×4000	6	4000	1°30'	≤450	20-600	8	7.5	7.6	4600 × 1850 × 1850
6×5000	6	5000	1°30'	≤450	20-600	6	11	12.5	5600 × 2050 × 1950
6×6000	6	6000	1°30'	≤450	20-600	5	11	14.8	6600 × 2120 × 2230
8×2500	8	2500	1°30'	≤450	20-600	10	11	5.3	3100 × 1750 × 1700
8×3200	8	3200	1°30'	≤450	20-600	8	11	6.5	3800 × 1750 × 1700
8×4000	8	4000	1°30'	≤450	20-600	8	11	7.7	4600 × 1850 × 1850
8×5000	8	5000	1°30'	≤450	20-600	8	15	14	5600 × 2100 × 2000
8×6000	8	6000	1°30'	≤450	20-600	8	15	15.8	6600 × 2200 × 2300
10×2500	10	2500	2°	≤450	20-600	9	15	6.5	3100 × 1820 × 1920
10×3200	10	3200	2°	≤450	20-600	9	15	7.7	3800 × 1820 × 1920
10×4000	10	4000	2°	≤450	20-600	8	15	9	4600 × 1900 × 2000
10×6000	10	6000	2°	≤450	20-1000	5	15	22	6600 × 2400 × 2350
12×2500	12	2500	2°	≤450	20-600	9	18.5	8	3100 × 1850 × 2020
12×3200	12	3200	2°	≤450	20-600	9	18.5	9.4	3800 × 1820 × 1920
12×4000	12	4000	2°	≤450	20-600	8	18.5	11.8	4600 × 1950 × 2100
12×5000	12	5000	2°	≤450	20-750	6	22	21	5600 × 2250 × 2150
12×6000	12	6000	2°	≤450	20-750	5	22	26	6600 × 2400 × 2350
16×2500	16	2500	2°30'	≤450	20-600	9	22	9.2	3100 × 1950 × 2080
16×3200	16	3200	2°30'	≤450	20-600	8	22	10.6	3800 × 1950 × 2080
16×4000	16	4000	2°30'	≤450	20-600	8	22	15.3	4600 × 2300 × 2180

※参数如有变动,恕不另行通知; ※ Parameters are subject to change without prior notice.



刀片间隙调节手轮
Blade clearance adjustment handwheel



X轴滚珠丝杆和研磨光杆
X axis ball screw and polished rod



X轴驱动电机
The X-axis drives the motor