

HUAHENG

HUAHENG



HUAHENG
昆山华恒焊接股份有限公司
HUAHENG WELDING CO., LTD.

地址：江苏省昆山市博士路1588号 邮编：215347
Add: No.1588 Boshi Road, Kunshan, Jiangsu, P.R.China. PC:215347
Tel: 0512-81866666 Fax: 0512-57328188
E-mail: info@huahengweld.com www.huahengweld.com

昆山华恒切割系统有限公司
KUNSHAN HUAHENG CUTTING
SYSTEMS CO., LTD.

地址：江苏省昆山市吴淞江北路99号 邮编：215300
Add: No. 99 Wusongjiang North Road, Kunshan, Jiangsu, P.R.China PC: 215300
Tel: 0512-81866666 Fax: 0512-50139612

2021年4月版



自动化切割系统
Automatic Cutting Systems

企业简介

Company Introduction

昆山华恒焊接股份有限公司，是中国最早从事焊接、切割自动化装备开发、制造的国家级高新技术企业，是一个在弧焊工艺技术、工业机器人、自动化、智能化装备领域提供一体化解决方案的行业领先者。

企业在昆山、徐州、长沙建有60000m²的生产基地，现有员工800多人，先进、齐全的生产设备、检测仪器300多台套，企业通过中国强制性产品（CCC）认证、质量管理体系（DIN ISO9001）认证、软件成熟度（CMMI-3）认证。企业主导产品-“全位置管焊设备”、“焊接自动化专用设备”、“中厚板钢结构件焊接机器人成套装备”的产销量均居国内之首。先后获得国际发明博览会金奖、江苏省科技进步奖、江苏省优秀新产品金奖、江苏省软件产品金慧奖和江苏省名牌产品等荣誉。

企业在昆山建有16000m²的研发基地，拥有江苏省焊接自动化装备高技术研究重点实验室、江苏省机器人自动化装备工程实验室，企业博士后科研工作站，具有国际先进水平的实验、仪器设备200多台套。先后承担并完成国家863计划、国家重大科技专项、国家火炬计划、国家重点新产品计划等一批国家级的研发项目，拥有71项授权专利（其中发明专利18项）和44项软件著作权，成为中国工业机器人、焊接自动化领域研发的主力军。

企业上海设有国际销售中心，在全国各地设有88家销售、代理和服务网点，为用户就地提供高效、快捷的服务。企业产品已广泛应用于工程机械、航空航天、船舶、海洋工程、轨道交通、能源、化工、核电、医药、轻工、矿山机械等各个领域，并出口美国、欧洲、印度、巴西和东南亚等国家。

Huaheng Welding Co.,Ltd. is a national hi-tech enterprise who firstly engaging in R&D and manufacture of automatic welding and cutting equipments in China. As an industry leading company, we can provide integrated solutions in fields of arc welding technology, industrial robots, Automation and intelligent equipment, etc.

Huaheng owns 60,000m² production base in cities of Kunshan, Xuzhou and Changsha; over 800 employees and over 300 sets of advanced production and testing equipments. We have passed ISO9001 certification, the national compulsory safety certification (CCC), and CMMI-3 rating. The production and sales of featured products "all-position pipe welding equipment", "welding automation equipment", "robotic complete equipment for medium plate structure welding robotic complete equipment" ranks first in China. We have won successively the accolades of "Gold medal in international invention exposition", "Jiangsu science and technology progress award", "Gold award of Jiangsu excellent new product", "Jiangsu Jinhui award of software products", "Jiangsu famous brand" and so on.

Huaheng has 16,000 m² R&D center, with over 200 sets of international advanced experiment instruments and institutions of "High tech research key library of Jiangsu automatic welding equipment", "Jiangsu robot automation equipment engineering library" and "postdoctoral research station". We have undertaken and completed national 863 plans, major national research and development projects, national torch program, national key new products program and national R&D programs. We own 71 patents (including 18 invention patents) and 44 software copyrights. We are now the research and development main force in field of China's industrial robot and automatic welding.

We have international sales center in Shanghai and 88 networks of sales and service outlets and agencies across the country. We can provide efficient and fast service for local users. Our products are widely applied in industries of engineering machinery, aerospace, shipbuilding, ocean engineering, rail transit, energy, chemical, nuclear power, medical, light industry and so on. Our products are exported to America, Europe, India, Brazil Southeast Asia and other countries and regions.



数控火焰等离子切割机

ProCut plasma & flame cutting machine



- 此款切割机是一种精密的重型数控切割机，该机型是高切割精度和生产效率的完美结合，可适用于火焰和等离子切割。
- Heavy-duty precision CNC cutting machine, which combines high cutting accuracy and high production efficiency, It is suitable for oxy-fuel and plasma cutting application.

技术参数

Technical Parameters

轨距 Track gauge(mm)	3000	3500	4000	4500	5000	6000	7000	8000
切割宽度* Cutting width (mm)	2200	2700	3200	3700	4200	5200	6200	7200
整机宽度* Overall width (mm)	4000	4500	5000	5500	6000	7000	8000	9000
驱动速度 Drive speed	12000mm/min							
割炬最多配置 Maximum torches configurable	6 (其中可配2个等离子 2 sets of plasma torches configurable)							
*会随割炬数量而变化 May vary with the qty. of torches								

数控回转头等离子切割机

ProCut Bevel



- ProCut Bevel 采用进口二轴回转头，整机实现五轴联动。回转头具有零点消间隙装置与防碰撞功能，水平方向工作旋转角度达±50°，可以进行V、Y、I等各型坡口切割。
- Procut Bevel adopts imported two axis bevel head, and the whole machine realizes five axis linkage. The rotary head has zero clearance eliminating device and anti-collision function, and the horizontal working rotation angle is ± 50 °. V, y, I and other groove cutting can be processed smoothly.

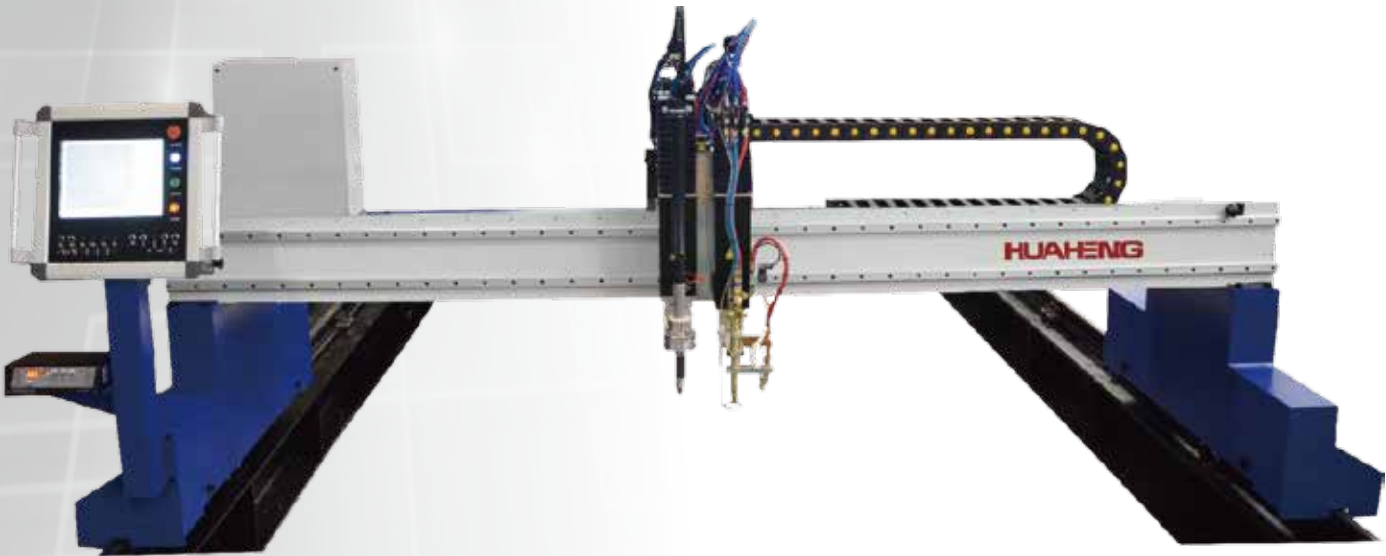
技术参数

Technical Parameters

旋转轴 (Axis)	A轴 (Head Axis)	B轴 (Torch Axis)
工位 (Working Position)	水平(Horizontal)	
回转头 (Tilting Head)	± 90 ° max	± 90 ° max
	± 50° work	± 50° work
旋转轴转速 (Axis Speed)	40rpm	29rpm
旋转轴额定扭矩 (Axis Rated Torque)	124Nm	144Nm
伺服驱动 (Motor and Drive)	松下Panasonic	
	5000rpm max	6000rpm max
防碰撞 (Anti-shock System)	磁吸式Magnetic	
割炬安装方式 (Torch Installation)	夹持式 (Torch Clamp)	

经济型火焰等离子切割机

EcoCut Plus



- EcoCut Plus是华恒切割系统针对市场需求研发的一款改进型中型多功能火焰等离子切割机，适合于中小企业多种加工使用，具有非常高的性价比。
- EcoCut plus is an improved medium-sized multi-functional flame plasma cutting machine developed by Huaheng cutting system according to the market demand. It is suitable for various processing of small and medium-sized enterprises and has a very high cost performance ratio.

技术参数

Technical Parameters

轨距Track Gauge (mm)	3000	3500	4000	4500	5000	5500	6000	7000
有效切割范围 Effective cutting rang(mm)	2000	2500	3000	3500	4000	4500	5000	6000
工作长度 Working length	轨长Track length-2000mm							
驱动速度 Drive speed	12000mm/min							
割炬最多配置 Maximum torches configurable	6(其中可配2个等离子2 sets of plasma torches configurable)							

火焰等离子切割机

EasyCut



- EasyCut、EasyCut Plus是中小尺寸、多功能的精密火焰等离子切割机，搭配海宝EDGE Connect可实现精密小圆孔切割。
- EasyCut & EasyCut Plus is a small and medium size precision flame and plasma Cutting machine. It can realize “True-hole” cutting with Hypertherm's “EDGE Connect CNC controller”.

技术参数

Technical Parameters

类型			参数
工作宽度A	Working width	mm	A=B-500
轨距B	Track gauge	mm	2100□2600□3100□3600
最大宽度C	Maximun width	mm	B+650
轨长	Track length	根据客户需求According to customer demand	
工作长度	Working length	轨长	Tracklength-1500mm
最大运行速度	Max speed	6m/min	12m/min

集成数控切割机
FineCut plasma cutting machine



- 此款切割机是一种高速、精密、等离子数控切割机，采用一体式模块化结构，使安装迅速、方便。配抽烟工作台、除尘器，以达到环保排放要求。
- High speed, high accuracy CNC plasma Cutting machine, with compact modular construction for easy and quick installation. The optional fume extraction table and collector help to meet the environment protection standards.

技术参数
Technical Parameters

型号Model	6020	4020	3015
有效切割范围 Effective cutting range(mm)	6000x2000	4000x2000	3000x1500
整机宽度 Overall width (mm)	3200	2000	
驱动速度 Drive speed	0-12000mm/min, 0-24000mm/min, 0-50000mm/min		
割炬最多配置 Maximum torches configurable	1		

重型光纤激光切割机
Heavy fiber laser cutting machine



- 华恒FiberLaser 系列产品是华恒切割系统有限公司采用最新技术研发设计的高性能光纤激光切割机。它采用国际先进的高品质光纤激光器，转换效率可高达30%，且维护与运行成本很低。结合高性能的控制系统与高精度的机械结构，能精细切割加工钢或铜铝等各类材质与厚度的板材与型材。具有高可靠性、高切割精度与效率、高性价比的优异特点。
- The FiberLaser serious of high-performance fiber laser cutting machines are developed by Huaheng cutting systems Co., Ltd. with the latest technology. They use the internationally advanced fiber lasers with up to 30%'s conversion efficiency and very low maintenance and operating costs as well. Integrated with fine performance control systems and high-precision mechanical structure, they can finely cut sheets or profile of different thickness and metals , such as steels、copper and aluminum. They are popular by excellent characteristics of high reliability, high cutting accuracy and cost-effective .

设备型号Model		FiberLaser3015H 系列	FiberLaser4020H 系列	FiberLaser6020H 系列
有效范围 Effective cutting range	X轴X axis	1500mm	2000mm	2000mm
	Y轴Y axis	3000mm	4000mm	6000mm
	Z轴Z axis	300mm	300mm	300mm
最大速度 Rapid speed	X轴X axis	75000mm/min, (可选 86000/100000mm/min)		
	Y轴Y axis	75000mm/min, (可选 86000/100000mm/min)		
	X-Y 综合 X-Y coordinate	100000mm/min (可选120000mm/140000mm/min)		
	Z轴Z axis	30000mm/min		
加速度 Acceleration		1.0G~1.5G		
定位精度 Positioning accuracy		± 0.01mm/6000mm		
激光发生器(美国IPG/武汉锐科) Laser Generator (IPG, USA/ Raycus, Wuhan)		2000W, 3000W, 4000W, 6000W, 8000W, 10000W, 12000W……		
可选配项 Optional items		美国IPG或武汉锐科光纤激光发生器; 上海嘉强或德国普雷茨特自动调焦切割头; 交换切割台; 电源稳压器。 Laser power supply - IPG (USA) or Raycus(China); Auto focusing cutting head-Precitec or Raytools; exchange cutting tables; power regulator.		
最大切割厚度 Max. cutting thickness		根据切割的材料种类以及选定的激光器功率而定 May vary upon the cutting materials and laser power		

中型光纤激光切割机

Medium fiber laser cutting machine



设备型号Model		FiberLaser3015M	FiberLaser6015M
有效范围 Effective cutting range	X轴X axis	1500mm	1500mm
	Y轴Y axis	3000mm	6000mm
	Z轴Z axis	100mm	100mm
最大速度 Rapid speed	X轴X axis	60000mm/min	60000mm/min
	Y轴Y axis	60000mm/min	60000mm/min
	X-Y 综合 X-Y coordinate	84000mm/min	84000mm/min
	Z轴Z axis	30000mm/min	30000mm/min
加速度Acceleration		0.6G	0.6G
定位精度Positioning accuracy		± 0.02mm/3000mm	± 0.02mm/3000mm
最大切割厚度Max. cutting thickness		根据具体切割材质以及选定的激光器功率而定 May vary upon the cutting materials and laser power	

龙门式重型光纤激光切割机

Gantry fiber laser cutting machine



轨距（mm） Track gauge(mm)	3000	3500	4000	4500	5000	5500	6000	6500
切割宽度（mm） Cutting width（mm）	2000	2500	3000	3500	4000	4500	5000	5500
激光发生器(美国IPG/武汉锐科) Laser Generator-IPG(USA) or Raycus(China)	1000W,1500W,2000W, 3000W, 4000W, 6000W, 8000W, 10000W, 12000W……							
驱动速度 Driving speed	24000mm/min或50000mm/min							
可选配项 Optional items	美国IPG或武汉锐科光纤激光发生器；上海嘉强或德国普雷茨特自动调焦切割头；电源稳压器 Laser power supply - IPG（USA）or Raycus(China); Auto focusing cutting head-Precitec or Raytools;power regulator.							
最大切割厚度 Max. cutting thickness	根据切割的材料种类以及选定的激光器功率而定 Depends on material thickness and laser power							
轨距最大10000mm;切割长度=轨道长度-3000mm Max Track Span10000mm;Cutting Length=Track Length-3000mm								

机器人切割 Robot cutting system



● 坡口切割 Beveling Cutting

- 6轴~7轴联动
- 机器人可以纵向行走
- 主要用于平面切坡口。可对不同厚度的直线、曲线进行 "I"、"X"、"Y"、"V"、"K" 的坡口切割
- 可选等离子或火焰切割
- 6-7 axis linkage machining
- Robot can travel longitudinally
- Mainly used for plane bevel cutting . Suitable for "I"、"X"、"Y"、"V"、"K" shaped lines and curves beveling cutting on sheets of different thickness.
- Optional configuration: Plasma or flame cutting processing

机器人封头切割 Beveling Head cutting



● 机器人封头切割 Beveling Head Cutting

- 6轴~9轴联动机器人系统
- 可根据封头大小具体配置
- 主要用于压力容器封头切割
- 可选择等离子、火焰或激光切割
- 6-9 axis linkage machining
- Configurable according to the specific sizes of the heads
- Mainly used for pressure vessel's head cutting
- Optional configuration: Plasma、flame or laser cutting

型材轮廓切割机 Profile Contour Cutting Machine



型材轮廓切割机 Profile Contour Cutting Machine

- 6轴~9轴联动的机器人系统
- 主要针对各种型钢如角钢、槽钢、H型钢、球扁钢等进行空间切割
- 可选择等离子或激光切割
- 6-9 axis linkage machining
- Mainly used for space cutting on various profiles such as angle iron, channel steel, h beam, bulb steel, etc.
- Optional configuration: Plasma or laser cutting



龙门式机器人激光切割机

Gantry robotic Fiber laser cutting machine

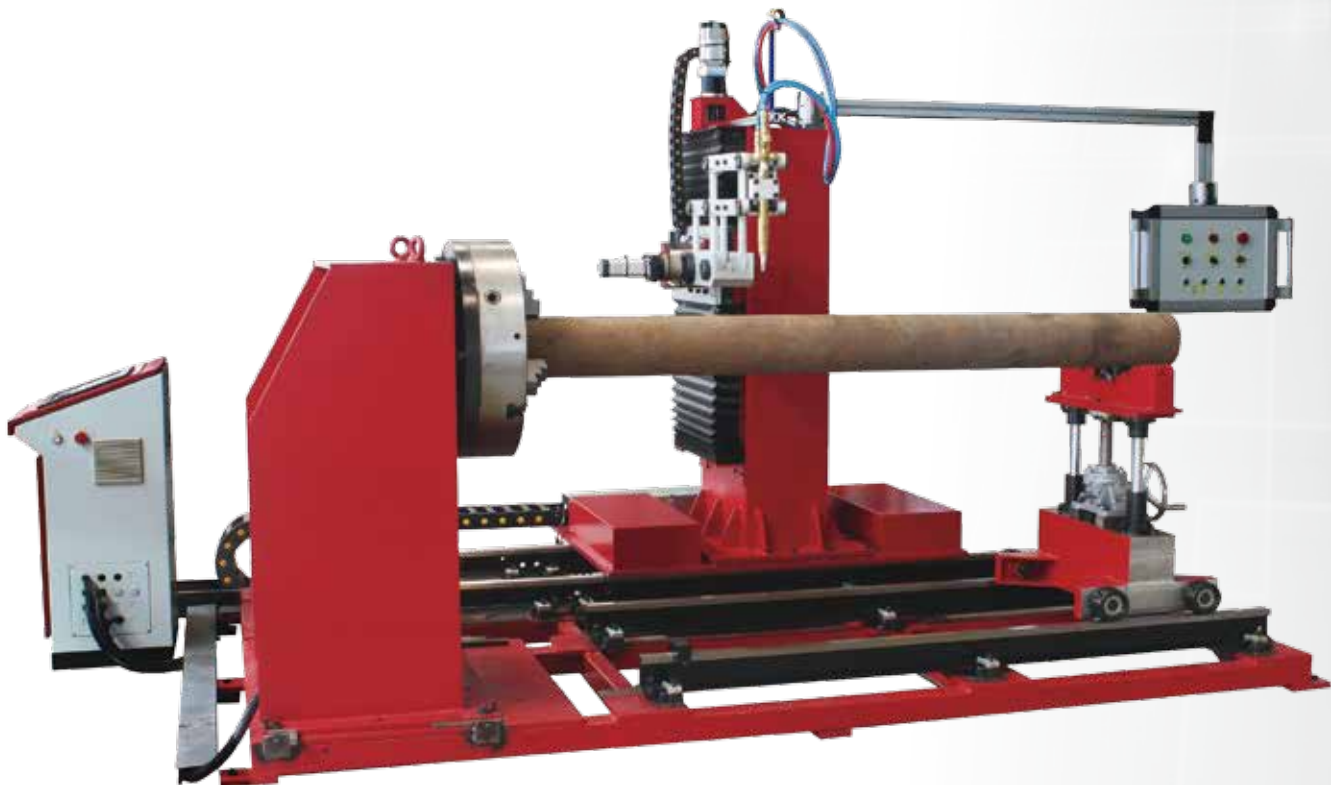


- 华恒Fiberlaser龙门式机器人激光切割机采用先进的三轴机械手臂与KMC数控系统，集众多功能于一身，具有二维与三维切割功能，其加工柔性大，拓展性强，精度高，性能稳定可靠，可广泛应用于车辆制造行业壳体件三维切割等加工。
- Huaheng gantry robotic fiber laser cutting machine adopts advanced three-axis mechanical arm and KMC numerical control system, integrates many functions in one, and has two-dimensional and three-dimensional cutting functions. It has large processing flexibility, strong expansibility, high precision, stable and reliable performance, and can be widely used in three-dimensional cutting of shell parts in vehicle manufacturing and other industries.

轨距（mm） Track gauge(mm)	3000	3500	4000	4500	5000	5500	6000	6500
切割宽度（mm） Cutting width（mm）	2000	2500	3000	3500	4000	4500	5000	5500
激光发生器(美国IPG/武汉锐科) Laser Generator-IPG(USA) or Raycus(China)	1000W,1500W,2000W, 3000W, 4000W, 6000W, 8000W, 10000W, 12000W……							
驱动速度 Driving speed	24000mm/min或50000mm/min							
可选配项 Optional items	美国IPG或武汉锐科光纤激光发生器；上海嘉强或德国普雷茨特自动调焦切割头；电源稳压器 Laser power supply - IPG（USA）or Raycus(China); Auto focusing cutting head-Precitec or Raytools;power regulator.							
最大切割厚度 Max. cutting thickness	根据切割的材料种类以及选定的激光器功率而定 Depends on material thickness and laser power							
轨距最大10000mm;切割长度=轨道长度-3000mm Max Track Span10000mm;Cutting Length=Track Length-3000mm								

数控相贯线切割机

PipeCut cutting machine



- 该系列数控相贯线切割机是一种对钢管和有色金属管子的结合处相贯线孔、相贯线端部、弯头（虾米节）进行自动计算和切割的设备。该机广泛运用于建筑、化工、造船、工程机械、冶金、电力等行业的管道结构件的切割加工。数控相贯线切割机能十分方便地切割加工此类工件，无需操作计算、编程，只需输入管道相贯系统的管子的相贯线、相贯线孔及焊接坡口。

This intersecting line cutting machine can automatically calculate and cut the profiles of intersection position, profile position edge, elbow, etc. It is mainly applied to the processing of piping structures in industries of construction, chemical, shipbuilding, engineering machinery, metallurgy, electric power etc. It is quite convenient to machine above mentioned workpieces without additional operational computing and programming but simply input the data of intersection position, hole position and bevel.

技术参数 Technical Parameters			
控制轴数 Axis	2-6轴 2-6 axis	切割外径 OD	50-1500(mm)
切割长度 Length	2000-18000(mm)	切割厚度 Thickness	5-60(mm)
最大载重 Max. payload	8000 (KG)	割炬组数 Torch No.	等离子/火焰 Plasma/Oxy-fuel
切割速度 Cutting speed	80-2500(mm/min)	空行速度 Idle speed	0-10000(mm/min)
切割方式 Cutting method	等离子/火焰 Plasma/Oxy-fuel		
切割坡口 Bevel	V/Y ±45° (等离子 Plasma)、±60° (火焰 Oxy-fuel)		
坡口规范 Bevel standard	美国AWS/ 定角/变角 AWS/fixed bevel/adjustable bevel		

数控系统 CNC system

• EDGE Connect

系统参数：
System Configuration:

EDGE Connect(Turnkey)	
处理器	英特尔四核J1900
处理器速度	2.0Ghz
操作系统	Windows embedded 8/10
内存	4GB RAM
网口	1 RJ-45 Ethernet接口
海宝专用接口	无
USB接口	2 USB 2.0
串口	无
无线网络	符合802.11G和802.11N标准
硬盘	120G 固态硬盘SATA接口
显示器	482.6mm(19英寸)液晶声波触摸屏

EDGE Connect(Turnkey)	
Processor	J1900 Intel'squad-core
Speed of the processor	2.0Ghz
Operating system	Windows embedded 8/10
Network Port	1 RJ-45 Ethernet interface
The treasure dedicated	None
Serial Port	None
Wireless networking	In line with the 802.11G and 802.11N standard
Hard drive	120G solid-state drive SATA interface
Display	482.6mm (19inches) of liquid acoustic wave touch screen



• 华恒数控系统 Huaheng CNC system

• HH5100

硬件配置：

CPU卡	Intel 多线程低功耗CPU
显示器	15寸高分辨率
内存	1G, 2G/4G 可选
硬盘	32G SSD, 64G/120G可选
操作系统	Windows7
控制轴数	2轴插补, X和Y
控制模式	脉冲模式, 脉冲+方向, 正反脉冲
支持的遥控器	IO和BCD编码
操作方式	键盘、鼠标或触摸屏
切割模式	火焰/等离子/喷粉划线



Hardware configuration:

CPU :	Intel multi-threading low power consumption CPU
Display:	15 inch high definition
Memory:	1G, 2G/4G optional
Harddisc:	32G SSD, 64G/120G optional
Operating system:	Windows7
Control axes:	2 axes Interpolation, X&Y
Control mode:	Pulse+direction, positive and negative pulse
Remote control:	IO and BCD coding
Operating mode:	Keyboard, mouse or touch screen
Cutting mode:	Oxy-fuel / Plasma / Power marking

• 海宝数控系统 Hypertherm CNC system

• Mini EDGE Connect

MiNi EDGE Connect CNC
处理器MCU: 英特尔四核J1900Quad-core
内存RAM: 4GDDR3-1600
固态硬盘SSD : 120GB IntelS35002.5"
无线网卡WiFi: Intel AC7260
前面板: HDMI+ 4 xUSB+ LAN
后面板: DVI+EtherCAT+ON/OFF&电源接口
外壳: 铝制
散热: 被动散热, 无需风扇



MiNi EDGE Connect CNC
Processor MCU : IntelQuad-coreJ1900
RAM: 4GDDR3-1600
SSD: 120GB Intel S35002.5"
WiFi: IntelAC7260
Front panel: HDMI+ 4 xUSB+ LAN
Rearpanel: DVI+EtherCAT+ON/OFF&Powerinterface
Shell: Aluminum
Heatdissipation: Passiveheatdissipation,no fanrequired

• HH2300

硬件配置：

显示器	10.4寸800*600高分辨1600万色彩色高亮度液晶屏
内存	64M SDRAM
用户程序空间	256M
主频	400MHZ系统主频
USB	USB1.1接口前置 至少支持16GB U盘
键盘	PCB贴膜键盘
机箱	全钢结构完全屏蔽, 真正能够做到防电磁辐射、抗干扰、防静电



Hardware configuration:

Display:	10.4 inch 800*600, high definition 16 million colors and high brightness LCD
Memory:	64M SDRAM
Program space:	256M electronic hard disk
CPU frequency:	400MHZ
USB:	USB 1.1 front interface, at least 16GB U disk supportable
Keyboard:	PCB keyboard
Chassis:	full-steel structure completely shielded which defends electromagnetic radiation, interference and static electricity

部件 Component

● 驱动

高性能交流伺服电机，运行速度可达
12m/min或24m/min，有很高的加速度。

● Driving unit

High performance AC servo motor with high acceleration
and running speeds up to 12m/min or 24m/min

割炬升降 Torch lifter

● 割炬升降

HH300等离子割炬升降挂架
升降行程250mm

● Torch lifter

HH300 Plasma Torch Lifter
Up/down stroke 250mm

● 割炬升降

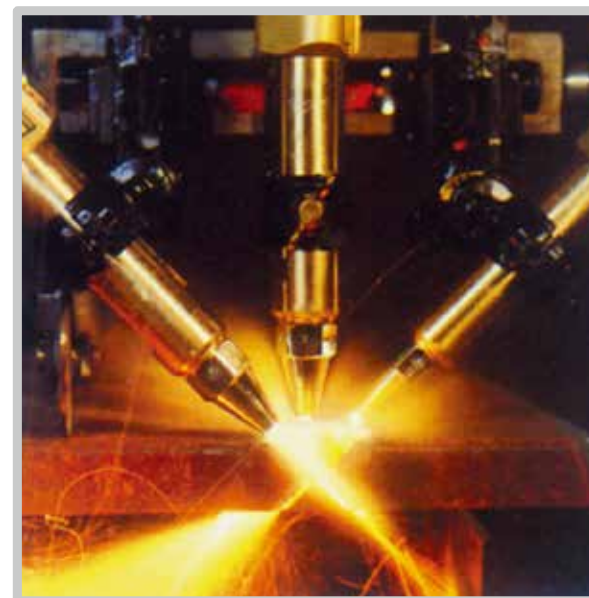
HH200割炬升降挂架
升降行程200mm

● Torch lifter

HH200 torch suspension
Up/down stroke 200mm



直线三割炬 Triple-torch straight cutting head



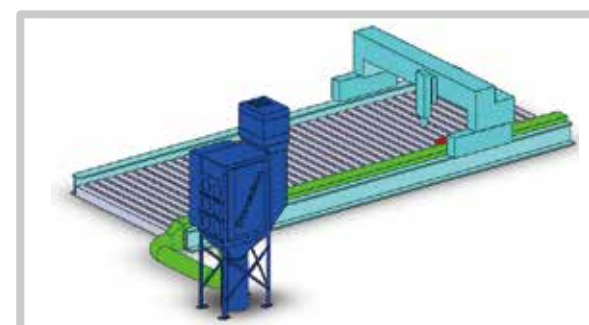
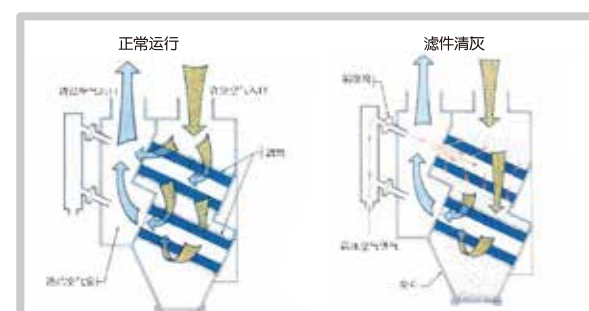
● 直线三割炬

用于直线V、Y、K型坡口切割
角度调整0°-45°
板条宽度50-130mm
可选择机械式或电容自动调高系统

● Triple-torch straight cutting head

For V, X, Y and K type straight bevel cutting
Tilting Angle: 0°-45°
Strip width 50-130mm
Optional mechanical or auto capacitive height sensing

除尘设备工作台 Fume Extraction Table



● 除尘设备工作台

切割时，会释放出大量的铁、氧化铁及有害的镍铬
粉尘。这些粉尘会由工作台捕捉并过滤。滤芯材料
可过滤小到0.3μm的颗粒，过滤效率可达99.97%。
滤芯配有自动清洁装置。

● Fume Extraction Table

Lots of dust of iron, iron oxide and harmful CrNi will be
released during cutting. Those dust can be captured by
the fume extraction table and filtered by the duster. Dust
up to 0.3μm is filterable and the filter efficiency can reach
99.97%. The self-cleaning device helps filter to be functional.

氧气等离子
Oxygen Plasma



空气等离子
Air Plasma



普通等离子电源 Ordinary Plasma Power						
	型号 Model	空气等离子 Air Plasma				氧气等离子 Oxygen Plasma
项目 Project		Powermax65	Powermax85	Powermax105	Powermax125	MAXPro200
低碳钢 Carbon steel	无熔渣 No slag	不适用 Not applicable	不适用 Not applicable	不适用 Not applicable	不适用 Not applicable	20mm
	生产穿孔/最大穿孔 Production piercing / Max piercing	12/16mm	15/19mm	18/22mm	20/25mm	25/32mm
	质量切割 Quality Cutting	12mm	15mm	18mm	20mm	25mm
	边缘切断 Edge Cutting	32mm	38mm	50mm	57mm	75mm
不锈钢 Stainless steel	生产穿孔/最大穿孔 Production piercing / Max piercing	12/16mm	15/19mm	18/22mm	20/25mm	25/32mm
	质量切割 Quality Cutting	12mm	15mm	18mm	20mm	25mm
	边缘切断 Edge Cutting	32mm	38mm	50mm	57mm	75mm
铝 Aluminum	生产穿孔/最大穿孔 Production piercing / Max piercing	12/16mm	15/19mm	18/22mm	20/25mm	25/32mm
	质量切割 Quality Cutting	12mm	15mm	18mm	20mm	25mm
	边缘切断 Edge Cutting	32mm	38mm	50mm	57mm	75mm
功率 Power		9KW	12.2KW	16.8KW	21.9KW	33KW
电流 Current		20-65A	25-85A	30-105A	30-125A	50-200A

精细等离子
Precision Plasma

精细等离子电源 Precision Plasma Power			
	型号 Model	精细等离子 Precision Plasma	
		HPR400XD	HPR800XD
低碳钢 Carbon steel	无熔渣 No slag	38mm	38mm
	生产穿孔 Production piercing	50mm	50mm
	质量切割 Quality Cutting	50mm	50mm
	边缘切断 Edge Cutting	80mm	80mm
不锈钢 Stainless steel	生产穿孔 Production piercing	45mm	75mm
	边缘切断 Edge Cutting	80mm	160mm
铝 Aluminum	生产穿孔 Production piercing	38mm	75mm
	边缘切断 Edge Cutting	80mm	160mm
功率 Power		80KW	160KW
电流 Current		30-400A	30-800A



XPR170™ / XPR300™

机用等离子切割技术一次史无前例的突破，
诠释等离子切割新概念。

The new XPR series represents the most significant advance in mechanized plasma cutting technology. This next generation system redefines what plasma can do.



新一代精细等离子电源					
	型号 Model	XPR170		XPR300	
低碳钢 Mild Steel	穿孔能力 Pierce capacity	40 mm	(氩气辅助) (argon-assist)	40 mm	(氩气辅助) (argon-assist)
		35 mm	(标准氧气) (standard O ₂)	35 mm	(标准氧气) (standard O ₂)
	切断能力 Severance	60 mm		80 mm	
不锈钢 Stainless Steel	穿孔能力 Pierce capacity	22 mm		38 mm	
	切断能力 Severance	38 mm		75 mm	
铝 Aluminum	穿孔能力 Pierce capacity	25 mm		38 mm	
	切断能力 Severance	38 mm		50 mm	

业界领先的切割质量：
Industry-leading X-Definition cut quality
XPR将新技术与精心优化的工艺相结合，实现低碳钢、
不锈钢和铝材的新一代X-Definition™切割品质，进一步提升了
HyDefinition®的切割质量。
The XPR advances HyDefinition® cut quality by blending
new technology with refined processes for next generation,
X-Definition™ cutting on mild steel, stainless steel and
aluminum.

优化生产效率，降低运行成本
Optimized productivity and reduced operating costs

精心设计的系统优化，简单易用
Engineered system optimization, Ease of use

先进的工艺控制和交付
Advanced process control and delivery

可在Core™自动自体箱、Vented Water Injection™(VWI) 高级
气体箱和Optimix™全能自动气体箱这三款控制箱中进行选
择,每款控制箱都进一步增强了不锈钢和铝材切割能力,低
碳钢切割质量极为出色。所有控制箱均可通过CNC控制器
进行全面控制，提高了生产效率和易用性。

Three console options—Core™, Vented Water Injection™
(VWI) and OptiMix™—offer unmatched mild steel cut quality
with each console delivering successively enhanced
cutting capabilities on stainless steel and aluminum.
All consoles can be fully controlled through the CNC
for high productivity and ease of use.



Vented Water™ Injection VWI
高级自动气体控制箱
Core™ 自动气体控制箱
OptiMx™ 全能自动气体
控制箱

气体控 制箱	切割气体	电流 (A)	切割厚度 (mm)	切割速度 (mm/min)
低碳钢				
Core、VWI 和 OptiMix	氧气等离子气体 氧气保护气体	30	0.5 3 5	5348 1153 521
	氧气等离子气体 空气保护气体	80	3 6 12	5582 3048 1405
	氧气等离子气体 空气保护气体	130	3 10 38	6502 2680 256
	氧气等离子气体 空气保护气体	170	6 12 25	5080 3061 1175
	氧气等离子气体 空气保护气体	300	50 12 25 50 80	267 3940 1950 560 165
不锈钢				
Core、VWI 和 OptiMix	氢气等离子气体 氮气保护气体	40	0.8 3 6	6100 2683 918
	F5 等离子气体 氮气保护气体	80	3 6 12	4248 1916 864
	氢气-氢气-氮气 等离子气体 氮气保护气体	170	10 12 38	1975 1735 256
OptiMix	氢气-氢气-氮气 等离子气体 氮气保护气体	300	12 25 50 75	2038 1040 387 162
	氢气等离子气体 水保护气体	300	12 25 50	2159 1302 403
铝				
Core、VWI 和 OptiMix	空气等离子系统 空气保护气体	40	1.5 3 6	4799 2596 911
	氮气等离子气体 水保护气体	80	3 6 10	3820 2203 956
	氮气等离子气体 水保护气体	130	6 10 20	2413 1702 870
	氮气等离子气体 水保护气体	300	12 25 50	2286 1302 524
OptiMix	氢气-氢气-氮气 等离子气体 氮气保护气体	300	12 25 50	3810 2056 391

这并不代表完整的可用工艺或厚度列表。