



Honeybee CNC

CNC Cutting, Welding, Automation Equipment

数控切割设备、焊接设备、工业自动化控制设备



Company Profile

EN Dalian Honeybee CNC Equipment Co., LTD., registered in Dalian city, China, is a new high-tech enterprise. We are engaged in design, development, sales, service of CNC cutting and welding automation equipment, and related products. Our main products include portable, gantry, table types plasma and oxy-fuel cutting machines, laser cutting machines, laser marking machines, welding robot, etc.

Honeybee CNC products are widely used for metal materials cutting and welding, in the industries such as shipbuilding, mining machinery, engineering machinery, petrochemical equipment, power generation equipment, construction machinery, pressure vessel, pipeline engineering, etc.

Our sales network covered domestic and overseas markets, have been exported to South Korea, Thailand, Australia, Saudi Arabia, Israel, Jordan, Germany, Italy, the Unit States, Mexico, Chile, Nigeria, Ecuador, etc, more than 50 countries and regions.

CN 大连霍尼机械设备有限公司注册于大连市甘井子区，为高新技术企业，公司从事数控切割设备、焊接设备和工业自动化控制设备的设计、开发、销售及售后服务工作。

公司经营产品主要包括便携式、龙门式、台式等离子火焰切割机，激光切割机与激光打标机，焊接机器人等。

产品广泛应用于船舶制造、矿山机械、工程机械、石化装备、发电设备、建筑机械、压力容器、管道工程等装备制造业的材料切割和焊接。

产品销售覆盖国内及海外多个市场，已经出口到韩国、泰国、澳大利亚、沙特、伊朗、约旦、德国、意大利、美国、墨西哥、智利、尼日利亚、厄瓜多尔等五十多个国家和地区。

EN Our Vision:

Metal shines life. To be the world leading provider in metalworking solutions!

Our Mission:

Provide optimized metalworking solution for our customers;

Strive for physical and mental happiness for all of our staff;

Create long term high efficient investment return for our shareholders;

Make contribution to world social progress.

Our Values:

Honesty, Teamwork, Enthusiasm, Hardworking.

CN 我们的愿景:

用金属点缀生活，成为全球金属加工解决方案领导者

我们的使命:

为客户提供最优的金属加工解决方案;

为实现全体员工物心幸福而努力;

为股东创造长期、持久、高效的投资回报;

为推动社会进步做出应有的贡献。

我们的价值观:

诚信、团结、热情、勤奋



Table CNC Cutting Machine—Trailblazer

数控台式切割机—Trailblazer

EN The integrated design of this machine makes it easy to install. User needs not preparing work table and guide rails basement. Precise liner guide, dual drive and Japan servo motors (stepper motor is option), this machine can achieve high cutting speed and cutting quality.

CN 一体化设计，精度高，用户不用准备切割台和轨道基础，易于安装。精密线性导轨，双驱，进口伺服（也可选步进）。高速切割，切割质量好。



Technical Parameter

Model 型号	HBT-1530
Effective cutting area 有效切割范围	1500 * 3000mm (4.9 * 9.8 ft)
Cutting mode 切割模式	Plasma 等离子 oxy-fuel (option) 火焰 (选配)
Plasma cutting thickness 等离子切割厚度	Depend on Plasma source 依等离子电源功率而定
Oxy-fuel cutting thickness 火焰切割厚度	5mm--50mm (1/5--2 inches)
Drive System 驱动系统	Dual drive, Stepper motors/Servo motors 双驱，步进或伺服驱动
CNC System 数控系统	Fangling CNC Controller 方菱数控
Torch height control 割炬高度控制	Arc voltage auto THC and anti-collision for plasma cutting 弧压自动调高，防碰撞
Running speed regulation range 调速范围	0--12000 mm/min
Worktable option	Water worktable 半干式切割台

Gantry CNC Cutting Machine—ECO

数控龙门式切割机—ECO

EN Compact design, powerful function, high cutting accuracy and productivity are perfectly combined in this machine.

CN 简洁的设计，强大的功能，高精度切割，高效量产，完美结合于这台机器。

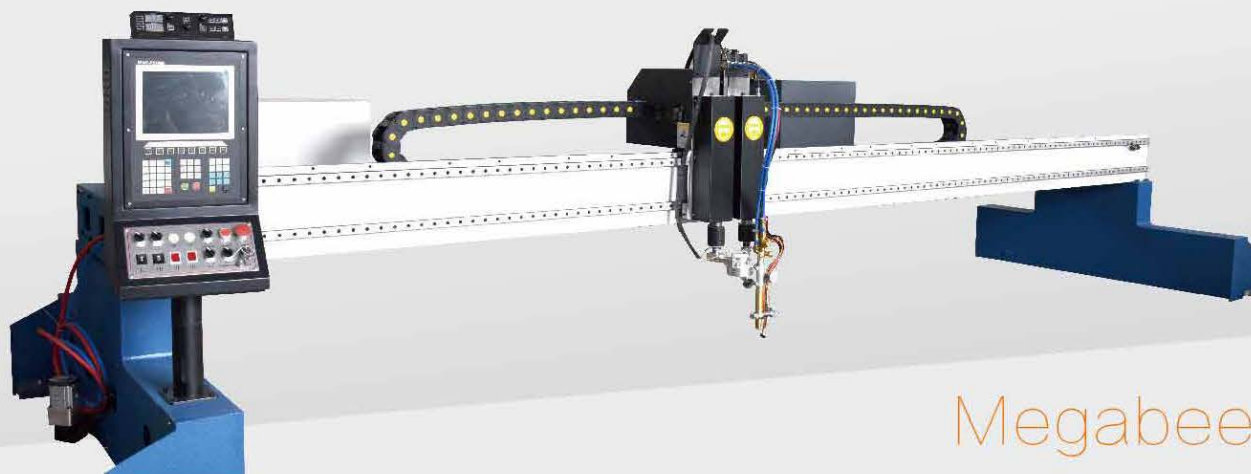


Technical Parameter

Model型号	HBS-3000/4000
Track span跨距	3000mm/4000mm
Effective cutting width有效切割宽度	2300mm--3300mm (7.5ft—10.8 ft)
Effective cutting length有效切割长度	Standard 4500mm, can be extended per 2000mm
Cutting mode切割模式	Plasma, oxy-fuel or Plasma+oxy-fuel 等离子/火焰/等离子+火焰
Torch height control割炬高度控制	Arc voltage auto THC and anti-collision for plasma cutting 弧压自动调高，防碰撞

Gantry CNC Cutting Machine—Megabee

数控龙门式切割机—Megabee



Megabee



Technical Parameter

Model型号	HBG-4000/5000/6000/8000
Track span跨距	4000/5000/6000/8000mm
Working width有效切割宽度	3300/4300/5300/7300mm (10.8ft / 14.1ft / 17.3ft / 23.9ft)
Working length有效切割长度	Depend on customer' s requirement 依据客户要求，可按米延长
Cutting mode切割模式	Plasma, oxy-fuel or Plasma+oxy-fuel 等离子/火焰/等离子+火焰
Cutting thickness 切割厚度	2--200mm (1/10—7 inches)
Drive system驱动系统	Dual drive, servo motors 双驱，伺服
Cnc system数控系统	Hypertherm/Fangling CNC 多种主要品牌可选
Torch height control割炬高度控制	Arc voltage auto THC and anti-collision for plasma cutting 弧压自动调高，防碰撞
Cutting speed切割速度	0--10000 mm/min可调
Optional functions其他功能	Capacitance auto THC for oxy-fuel cutting, auto ignition for oxy-fuel cutting, underwater plasma cutting, powder marking, bevel cutting, laser position, chair, different color 火焰自动调高，火焰自动点火，等离子水下切割，喷粉划线，坡口切割，激光定位，座椅，颜色定制等等。

Portable CNC Cutting Machine—Microbee 数控便携式切割机—Microbee

EN Initial designer and manufacturer of Portable CNC cutting machines in 2003. Built-in arc voltage auto torch height control. International first-class standard

CN 第一台便携式数控切割机发明者，内置弧压调高，国际一流标准。



Microbee



Technical Parameter

Model型号	HB2008LCD-1634
Effective cutting area有效切割范围	1600* 3400mm (5.2 * 11 ft, can be extended) 可延长
Machine overall size机器展开尺寸	2200mm * 4000mm (standard model)
Cutting mode切割模式	Plasma, Oxy-fuel or Plasma+Oxy-fuel 等离子/火焰/等离子+火焰
Cutting thickness切割厚度	6—150mm (1/4—6 inches, Oxy-fuel) 火焰 Depends on plasma capacity (plasma)依据等离子电源功率
Torch height control割炬高度控制	Electric torch lifting device (Oxy-fuel)电动升降 (火焰) Arc voltage auto THC (Plasma)弧压自动调高

Portable CNC Cutting Machine—Minibee 数控便携式切割机—Minibee

- EN** Economical and mobile, small space demand, both plasma and oxy-fuel cutting modes are available. Excellent balanced design makes this machine running stable without shake. Equip with famous brand CNC system and external arc auto THC, ensure accurate and quality cutting.
- CN** 经济型，可移动，不占空间，支持火焰和等离子2种切割模式。平衡设计，横梁不抖动，配置著名品牌数控系统和外置调高，保证切割精度和质量。



Minibee



Technical Parameter

Model型号	HBP-1530
Effective cutting area有效切割范围	1500 * 3000mm (4.9 * 9.8 ft, can be extended) 可延长
Cutting mode切割模式	Plasma, Oxy-fuel or Plasma+Oxy-fuel 等离子/火焰/等离子+火焰
Plasma cutting thickness等离子切割厚度	Depend on Plasma source 依据等离子电源功率
Oxy-fuel cutting thickness火焰切割厚度	5mm--150mm (1/4—6 inches)
Drive System驱动系统	Stepper motor步进电机
Torch height control割炬高度控制	external THC for plasma mode 外置调高

Heavy Duty Portable CNC Cutting Machine—Microbee Plus

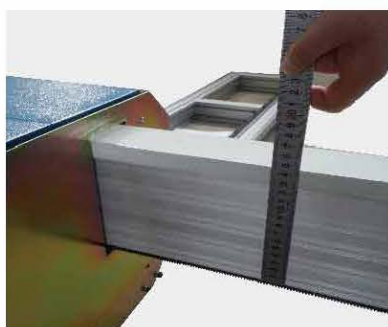
数控重型便携式切割机—Microbee Plus

EN This model machine can cut much larger sheets than common machines. Hybrid servo motors to ensure higher speed and accuracy.

CN 比普通便携式切割机切割面积更大，混合式伺服，更稳定，精度更高。



Microbee Plus



Technical Parameter

Model型号	HB2015LCD-2034
Effective cutting area 有效切割面积	1600* 3400mm (5.2 * 11 ft) 2000 * 3400mm (6.5 * 11 ft) 2500 * 3400mm (8.2 ft * 11 ft) (length can be extended)可延长
Cutting mode 切割模式	Plasma, Oxy-fuel or Plasma+Oxy-fuel等离子/火焰/等离子+火焰
Cutting thickness 切割厚度	6—160mm (1/4—6 inches, Oxy-fuel)火焰 Depends on plasma capacity (plasma)依据等离子电源功率
Running speed 切割速度范围	0--6000mm/min
Torch height control 割炬高度控制	Electric torch lifting device (Oxy-fuel) 电动升降 (火焰切割) Arc voltage auto THC (Plasma) 弧压调高 (等离子切割)

Plasma Pipe Cutting Machine—Jetfire 数控相贯线切割机—Jetfire

EN Features:

Plasma pipe cutting
Efficient, economical
Direct or bevel cutting
Wide range cutting capacity from 25mm to 1000mm diameter
Can be made combining with steel plate cutting

CN 特点:

等离子切管
经济高效
直切或者坡口切割
可切割直径范围广
可做管板一体机

Jetfire



Technical Parameter

Cutting mode切割模式	Plasma, Oxy-fuel, Plasma+Oxy-fuel 等离子, 火焰, 等离子+火焰
Axis No.轴数	2 or 4 Axis
Cutting speed切割速度	0—5000mm/min
Movement speed移动速度	0—8000mm/min
Torch height control割炬高度控制	Arc voltage auto THC弧压自动调高
Cutting pipe diameter切管直径	25mm—1000mm 1 – 40 inches
Request the Pipe Ellipse椭圆度	≤1%

Laser Cutting Machine—Blitzwing

激光切割机—Blitzwing

EN Features:

Compact design, simple and integrated,
reasonable spatial arrangement.
High cutting accuracy, perfect cutting result.
Stable, cost-effective



CN 特点:

优化设计，简约集成，空间安排更合理。
切割精度高，切割效果好。性价比高，稳定性好，
同质化竞争优势明显。

EN Application:

Industries of Metalworking, Auto, Engineering machinery, Aerospace, Electronics, Home appliance, Craftwork, Tools processing, Decoration, Advertisement, Fabrication, Fitness equipment, Kitchenware, Medical instrument, etc.

CN 应用领域:

应用于钣金加工、汽车制造、工程机械、航空航天、电子、电器、粮食机械、纺织机械、电梯、家用电器、工艺礼品、工具加工、装饰、广告、金属对外加工、厨具加工等各种制造加工行业。



Technical Parameter

Model型号	HB-FL3015	HB-FL4015	HB-FL6015	HB-FL4020	HB-FL6020
Working size 有效切割面积	1500*3000 mm (4.9 * 9.8 ft)	1500*4000 mm (4.9 * 13.1 ft)	1500*6000 mm (4.9 * 19.7 ft)	2000*4000 mm (6.6 * 13.1 ft)	2000*6000 mm (6.6 * 19.7 ft)
Laser power 激光功率: 500W / 750W / 1000W / 1500W / 2000W / 3000W					
Drive method 驱动: Pinion and Rack 齿轮齿条					
Positioning accuracy定位精度: $\leq \pm 0.05\text{mm}$					
Movement speed 空程速度: 90m/min					
Cooling type冷却: Water cooling水冷					

Heavy Duty Laser Cutting Machine—Thunder

重型激光切割机—Thunder

EN Features:

Close and switched work table
High precision transmission device matched with servo systems perfectly, to ensure cutting accuracy and efficiency.
Stable and reliable optical system and control system.
Closed processing environment, safe and clean.
Dual work table simplify work procedures and save time.



CN 特点:

封闭式+交换台；进口高精度传动装置与伺服系统完美匹配，保证切割精度与效率；
稳定可靠的光路系统和控制系统；封闭式加工环境，防尘防烟，安全环保；双工作平台简化工作流程节约时间。

EN Machine body

stable and durable, benefit to stability during laser cutting.
High temperature quenching process, destress, improved machine body ductility.
Rack and pinion transmission system, good rigidity, high accuracy.

CN 床身坚固稳定，有利于激光器切割机切割过程中的稳定性；高温淬火工艺，消除多余应力，增加床身的延展性；齿条导轨进口传动系统，刚性好，精度高。



Thunder

Technical Parameter

Model型号	HB-FL3015G	HB-FL4015G	HB-FL6015G	HB-FL4020G	HB-FL6020G
Working size 有效切割面积	1500*3000 mm (4.9 * 9.8 ft)	1500*4000 mm (4.9 * 13.1 ft)	1500*6000 mm (4.9 * 19.7 ft)	2000*4000 mm (6.6 * 13.1 ft)	2000*6000 mm (6.6 * 19.7 ft)
Laser power激光功率: 3000W / 4000W / 6000W					
Drive method驱动: Pinion and Rack (Helical tooth) 齿轮齿条 (斜齿)					
accuracy定位精度: $\leq \pm 0.03\text{mm}$					
Movement speed 空程速度: 80m/min					
Power supply电源: 380V $\pm 5\%$, 50Hz $\pm 1\%$					

Laser Pipe Cutting Machine—Pipestreak

激光切管机—Pipestreak

EN Features:

High efficient, high rate of return
No need secondary processing
Heavy duty, running full day
low consumption on parts
Can be made combining with steel plate cutting

CN 特点:

高效，高回报率，
无需二次加工，耗材损耗低，
可做管板一体机。



Technical Parameter

Cutting mode 切割模式	Fiber Laser光纤激光切割
Movement speed空行速度	60m/min
Pipe length切管长度	3000mm / 6000mm (9.8 ft/ 19.7 ft)
Pipe diameter切管管径	20-300mm (4/5 inches-11-4/5 inches)
Power supply require 电源	AC380V $\pm$ 5% 50HZ/60HZ
Environment require 环境要求	Temp: 10—35℃ Humidity: 40—85% Altitude below 1000mtrs, no flammable or explosive, no strong magnetic and shock 温度10—35℃，湿度：40—85%，海拔1000米以下， 周围无可燃和易爆物，无强磁场和振动源。
Software and support format 软件支持格式	Professional Software System supports PLT, DXF, DST, AI, BMP, Solidworks, Pro/e, UG, etc.

- EN** Every Robot is designed by combining customer's on-site requirements and professional solutions. Robot arm can be chosen among main brands. Widely applied in most processing industries. We can meet all your needs whether it is welding, intersecting wire cutting, flat cutting, etc..
- CN** 机器人的生产主要结合用户现场的需求，为客户提供专业的解决方案。无论是焊接、相贯线切割、平板切割等应用需求，我们都能予以满足。

Case 1: Automobile intelligent welding production line

案例1：汽车智能焊接生产线



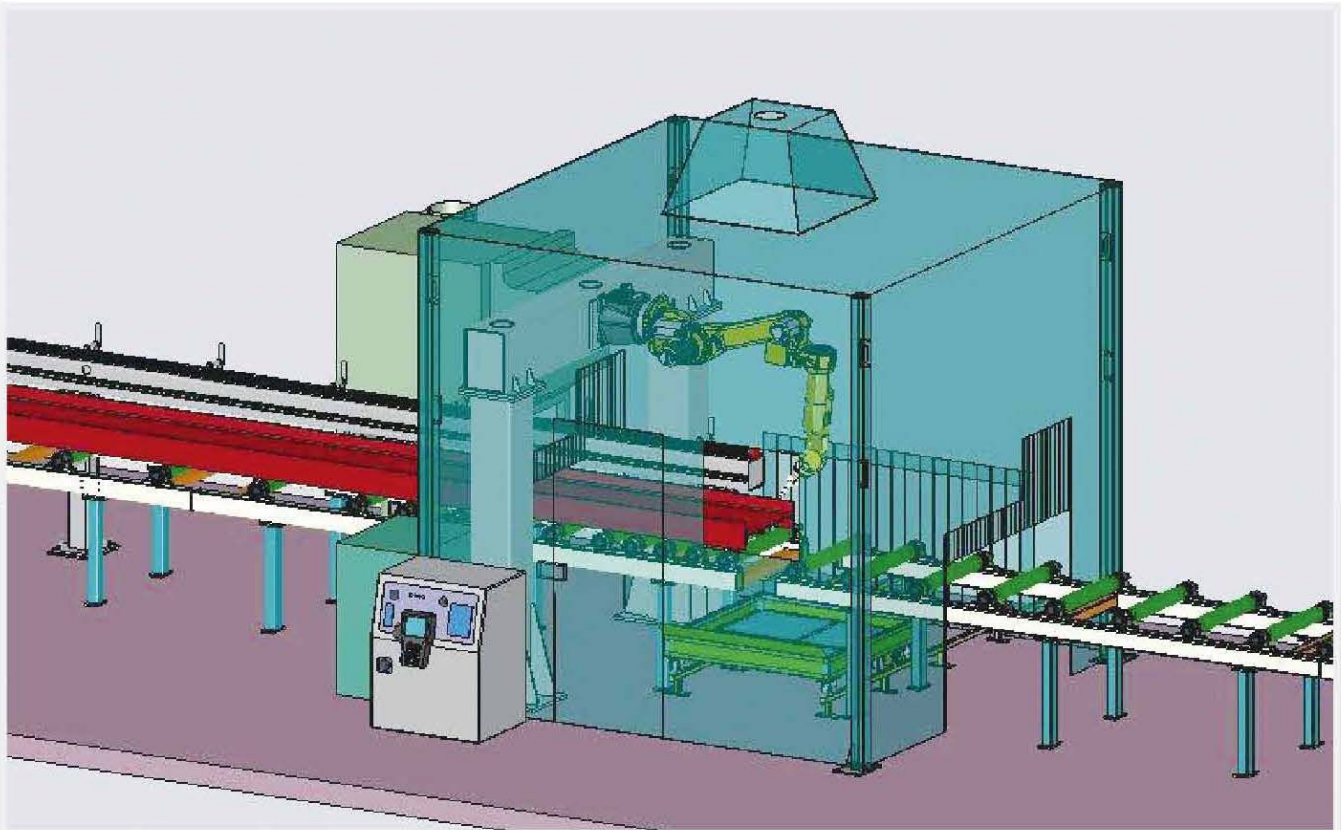
- EN** Realize completely automatic in Auto welding
Reduce operators' number from 20 persons to 3 persons.
Advanced welding process, production technology is optimized
Combine visual inspection and Robots perfectly, realize the functions of space positioning, automatic welding seam tracking, online inspection, real-time error correction, improved system reliability and product quality.
- CN** 实现车轿焊接全自动化，操作人员由原来的20人减少到3人；先进的焊接工艺，生产工艺最优化；将视觉检测和机器人技术完美结合，实现空间定位、自动焊缝跟踪、在线检测、实时纠错，大大提高了系统可靠性和产品质量。



Case 2: H-steel Robot cutting line

案例2: H型钢机器人自动切割生产线

EN This Robot 3D cutting system composed of Sitting robot, Conveyor transmission unit, Work parts moving at fixed length unit (servo drive), Jig and fixture (square tube, I-steel, T-steel), Laser source, Anti-collision, Water chiller, Stabilizer, etc. Main axis of Robot is 6 axis synchronized motion, External axis work parts moving at fixed length (servo drive), conveyor transmission unit with external PLC control. It suitable for direct, bevel or any shapes 3D cutting on different shapes metal once time. Ensure any condition welding or direct using needed. At the same time, to realize welding bevel angel design on different technique according to structure feature. Same graphics once designed and invoke repeatedly unlimited times. While compatible with 3D design softwares such as UG, PRO-E, etc, realized offline program and increased efficiency.



CN 本机器人3D切割系统由坐立式机器人、输送式传动单元、工件定长推移式单元（伺服驱动）、工装夹具（方管、工字钢、T型钢等）、激光器、TBI防碰撞、水冷机、稳压器等组合而成。机器人主轴为6轴同步运动，外部轴工件定长推移式单元（伺服驱动）、输送式传动单元加外部PLC控制。适合一次性多种异性金属材料的垂直、坡口及任意图形的3D切割，保证焊接或直接使用所需的任何条件，同时根据结构特点，实现不同工艺上的焊接坡口角度设计。相同图形一次性设计保存后，可重复无限次调用，同时有效的兼容3D设计软件(如UG、PRO-E等)，实现离线编程，提高效率。

Spare Parts 相关零配件



Plasma power sources
等离子电源



Plasma spare parts
等离子配件和易损件



Laser spare parts
激光配件和易损件



Welding spare parts
焊接配件和易损件



Honeybee CNC

数控切割机配件 CNC cutting machine spare parts

数控系统 CNC control system
割炬自动调高 Auto torch height control
火焰割枪 Gas cutting torch
火焰割嘴 Gas nozzle
喷粉划线枪 Powder marking torch
电路板 Circuit Board
套料软件 Program software
焊接切割劳保用品 Labour protection appliance





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