



# GRIND

## HAN'S YUEMING LASER

开启激光智能新时代  
LEADING INTELLIGENT LASER MANUFACTURING ERA



## 广东大族粤铭激光集团股份有限公司

GD HAN'S YUEMING LASER GROUP CO., LTD.

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国家高新技术企业  
CHINA TORCH PROGRAM  
KEY HI-TECH ENTERPRISE



广东省名牌产品  
FAMOUS  
BRAND PRODUCTS



通过欧洲  
CE安全认证  
CE APPROVED



采用国际标准产品  
ADOPTING INTERNAT  
IONAL STANDARD PRODUCT



美国激光  
安全专业认证  
FDA



156项专利  
26个软件著作权  
SOFTWARE PATENTS



中国光学光电子  
行业协会会员单位  
COEMA MEMBER



中国软件行业  
协会会员单位  
CSIA MEMBER



全国售后服务  
先进单位  
SERVICE AWARD MEMBER

声明：因设备会根据市场及客户需求持续优化改进，本书中所有机型的外观设计、技术参数及配置信息仅供参考，最终以实售机型为准，解释权归广东大族粤铭激光集团股份有限公司所有。  
Disclaimer: Due to continuous machines upgradation, parameters and configuration above are just for reference, Real parameters and configuration are in kind prevail, Right of interpretation belongs to GD Han's Yueming Laser Group Co., Ltd.

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GD HAN'S YUEMING LASER GROUP CO., LTD.

www.ymlaser.com



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## 企业文化

THE ENTERPRISE CULTURE

合作·共赢·感恩·分享

Win-win · Appreciation · Cooperation · Sharing



## 核心价值观

THE CORE VALUES

品质为天 顾客至上

Quality is everything, customer comes first



## 经营目标

BUSINESS OBJECTIVES

把大族粤铭激光集团打造成一家

客户信赖的 员工爱戴的 行业尊重的 社会认可的企业

Make Han's yueming to be trusted by customers,  
loved by staff, respected by competitors, recognized by society

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## ★ 企业介绍

广东大族粤铭激光集团股份有限公司（股票简称：大族激光，股票代码：002008）始创于2000年，是一家专业从事高端工业激光装备的研发、生产、销售和服务的国家级重点高新技术企业集团，公司总部位于中国大型高新科技企业聚集高地——广东省东莞市松山湖国家级高新技术产业开发区，同时，在东莞、香港、上海、苏州和徐州建有自主产权的现代化激光应用及软件控制技术研发中心和生产制造基地，总占地面积达11万平方米，拥有各类高端工业加工机床和检测仪器100余台(套)，员工总人数1000多人。

公司始终秉承“以先进技术赢得市场、靠优质服务回报客户”的经营理念，坚持每年以不低于销售收入10%的研发经费投入到产品研发中，先后与中科院上海光机所、哈尔滨工业大学、成都电子科技大学、西安交通大学、华南理工大学和暨南大学等国内知名高校和科研院所建立了长期稳定的学术交流和技术合作关系，为大族粤铭激光集团先进的产品设计和丰富的技术储备奠定了坚实的技术和人才基础，截止目前，公司已获得各类国家发明专利及奖项200余项，并通过了ISO9001:2015和CE、FDA、UL等多项国际认证。

公司建立起了覆盖国内32个省市自治区及全球100多个国家和地区的营销和服务网络，以最贴近市场的方式为客户提供研发方案咨询、制造工艺交流、设备安装调试等及时、快捷、高效的售前、售中和售后服务。公司现已投放全球市场的各类高端工业激光装备有10大系列100多个型号，年产销激光切割、激光打标、激光焊接和激光清洗等技术先进、品质优良的工业激光装备超过10000台(套)，累计为汽车制造、3C电子、船舶制造、工程机械、农业机械、金属加工、家具、鞋服和家用电器等行业超过10万家客户提供了高度数字化、高度智能化的激光柔性加工综合解决方案，帮助客户大幅提升了产品的智能制造水平。

大族粤铭激光集团将始终坚持“品质为天、顾客至上”的企业核心价值观，不断整合装备制造领域的专业技术人才，以先进的激光技术、便捷的售后服务网络和完善的制造与质量管理体系，倾力打造具有国际竞争力的高端工业激光装备产业集群。

## ★ Company Profile

GD Han's Yueming Laser Group Co., Ltd, a subsidiary of Shenzhen Han's Laser Technology Co., Ltd (stock code: 002008), is a high-tech enterprise located in Dongguan Songshan Lake National High-Tech Industrial Development Zone. It was founded in Year 2000, has 5 subsidiaries in Dongguan, Shanghai, Suzhou, Hongkong, totally 110,000 Sqm production & RD space. Han's Yueming Laser focus on laser equipment development and manufacturing.

Han's Yueming Laser has obtained over 200 patents and our products are certified by CE, SGS, TUV certificate. With our own technical strengths, Han's Yueming Laser has obtained "National Torch Program Key High-tech Enterprise"" National High-Tech Enterprise". Han's Yueming Laser has launched 10 series of over 100 models products and has reached 10,000 sets annual production capacity exported to over 120 countries and regions worldwide. Products covering packaging, clothing, footwear, household appliances, 3C electronics, automotive, ship, aerospace ect, Han's Yueming Laser has been a professional manufacturer, offers one-stop laser cutting, marking and welding solution for multi-industry customers.

After years of stable development, Han's Yueming Laser has built three large manufacturing bases and two software & mechanical technology research institutes in Dongguan, Shanghai, Xuzhou, Suzhou and Hongkong. Han's Yueming Laser has established long-term and stable school-enterprise cooperation with many well-known higher education institutions and scientific research institutions such as Institute of High Energy Physics of Chinese Academy of Sciences, Tsinghua University, Zhongshan University, South China University of Technology, Jinan University abd South China Normal University.

Han's Yueming Laser sticks to the enterprise motto "win the market with advanced technology, reward customers with best service" and believes in the enterprise spirit "Cooperation, Win-win, Appreciation, Sharing". Han's Yueming Laser continuously attracts top talents with sophisticated laser technique to join us and builds an international competitive high-end industrial laser equipment manufacturer in China with advanced laser control technology, perfect quality management system and convenient after-sales service network worldwide. Enjoying the strength of international competitiveness, Han's Yueming laser is your trustworthy for long term cooperation partner.



集团总部  
Headquarter of Group Company



集团深圳科技中心  
Shenzhen Technology Center



东莞松山湖生产基地  
Dongguan Factory



江苏徐州生产基地  
Xuzhou Factory



江苏苏州生产基地  
Suzhou Factory



上海研究院  
Shanghai R&D Center





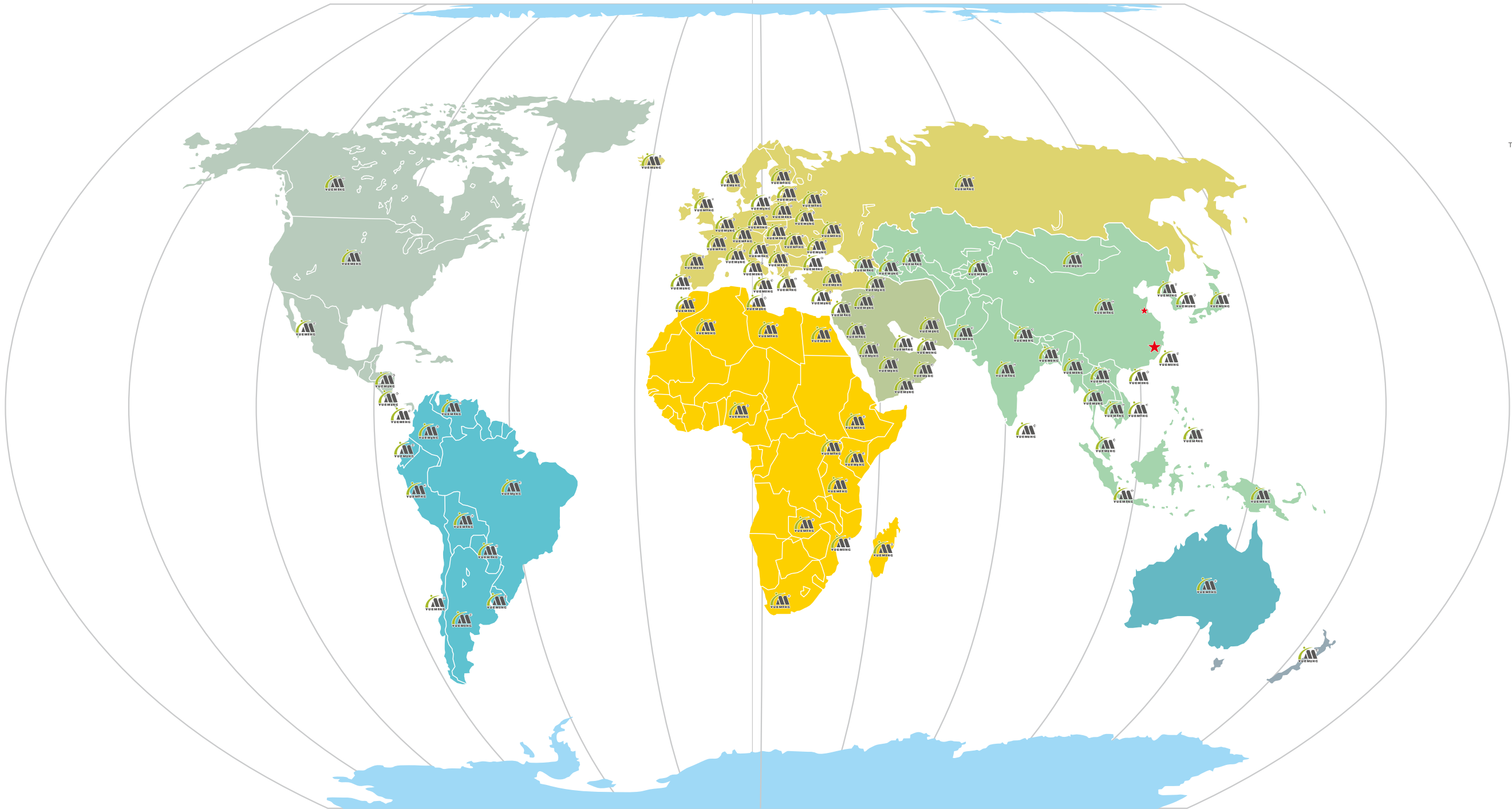
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## ★ 大族粤铭激光集团全球商务网络

## ★ Han's Yueming Laser Group Sales Network All Over The World

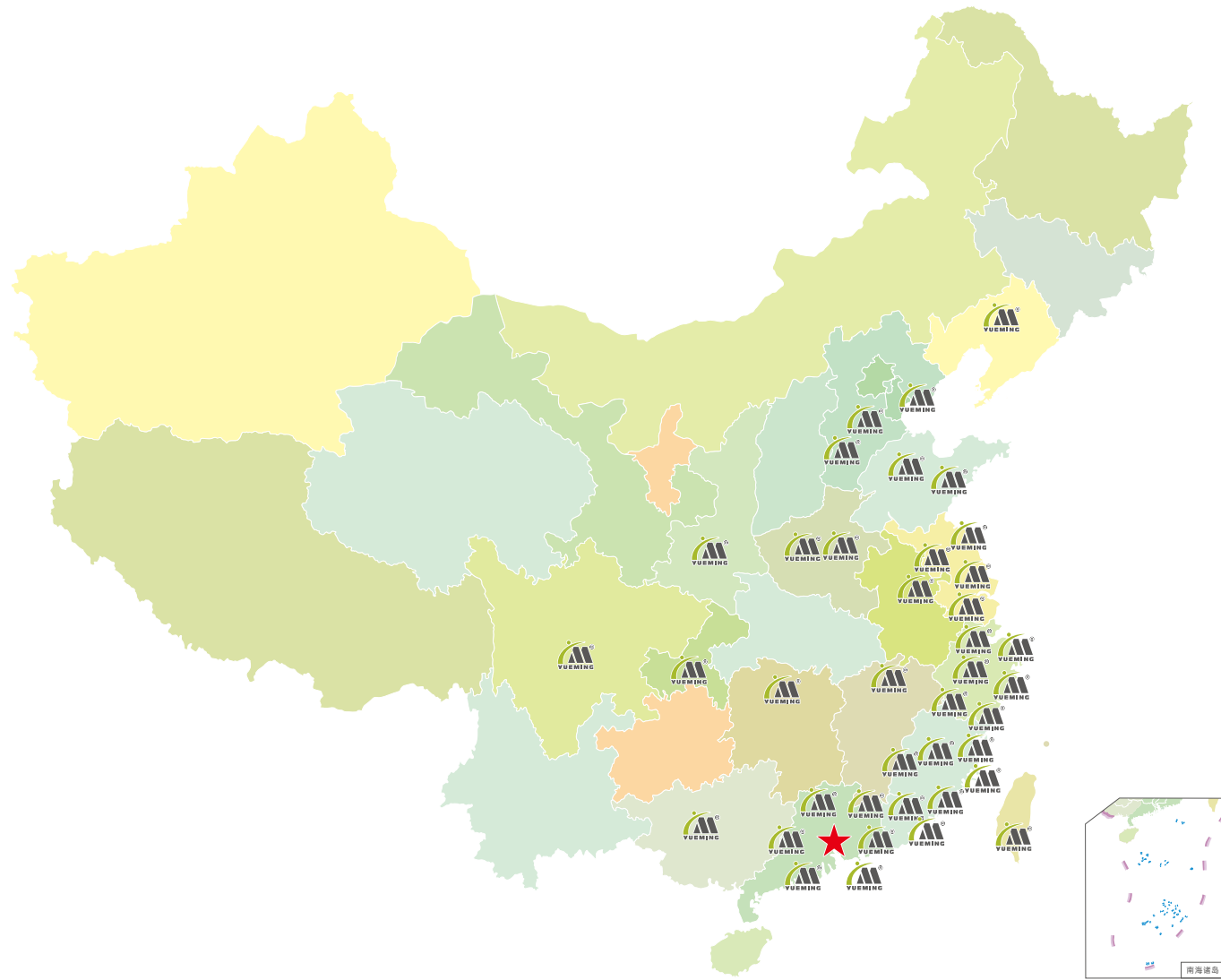


- 亚洲
  - 香港
  - 澳门
  - 台湾
  - 日本
  - 朝鲜
  - 韩国
  - 蒙古
  - 越南
  - 老挝
  - 柬埔寨
  - 泰国
  - 缅甸
  - 马来西亚
  - 菲律宾
  - 印度尼西亚
  - 尼泊尔
  - 孟加拉国
  - 印度
  - 巴基斯坦
  - 斯里兰卡
  - 吉尔吉斯斯坦
  - 乌兹别克斯坦
  - 伊朗
  - 叙利亚
  - 约旦
  - 黎巴嫩
  - 以色列
  - 沙特阿拉伯
  - 巴林
  - 卡塔尔
  - 阿联酋
  - 阿曼
  - 格鲁吉亚
  - 亚美尼亚
  - 阿塞拜疆
  - 土耳其
- 欧洲
  - 英国
  - 法国
  - 比利时
  - 摩纳哥
  - 挪威
  - 冰岛
  - 德国
  - 波兰
  - 捷克
  - 斯洛伐克
  - 瑞士
  - 俄罗斯
  - 爱沙尼亚
  - 拉脱维亚
  - 立陶宛
  - 白俄罗斯
  - 乌克兰
  - 摩尔多瓦
  - 罗马尼亚
  - 保加利亚
  - 斯洛文尼亚
  - 波斯尼亚和黑塞哥维那
  - 希腊
  - 意大利
  - 西班牙
  - 葡萄牙
  - 马耳他
  - 塞浦路斯
- 北美洲
  - 加拿大
  - 美国
  - 墨西哥
- 南美洲
  - 哥斯达黎加
  - 萨尔瓦多
  - 巴拿马
  - 委内瑞拉
  - 哥伦比亚
  - 巴西
  - 厄瓜多尔
  - 秘鲁
  - 玻利维亚
  - 智利
  - 阿根廷
  - 巴拉圭
  - 乌拉圭
- 大洋洲
  - 澳大利亚
  - 新西兰
  - 斐济
- 非洲
  - 埃及
  - 利比亚
  - 突尼斯
  - 阿尔及利亚
  - 摩洛哥
  - 尼日利亚
  - 埃塞俄比亚
  - 肯尼亚
  - 乌干达
  - 坦桑尼亚
  - 赞比亚
  - 莫桑比克
  - 毛里求斯
  - 南非

- Asia
  - Hong Kong
  - Macau
  - Taiwan
  - Japan
  - North Korea
  - South Korea
  - Mongolia
  - Vietnam
  - Laos
  - Cambodia
  - Thailand
  - Myanmar
  - Malaysia
  - The Philippines
  - Indonesia
  - Nepal
  - Bangladesh
  - India
  - Pakistan
  - Sri Lanka
  - Kyrgyzstan
  - Uzbekistan
  - Iran
  - Syria
  - Jordan
  - Lebanon
  - Israel
  - Saudi Arabia
  - Bahrain
  - Qatar
  - The United Arab Emirates
  - Oman
  - Georgia
  - Armenia
  - Azerbaijan
  - Turkey
- European
  - The United Kingdom
  - France
  - Belgium
  - Monaco
  - Norway
  - Iceland
  - Germany
  - Poland
  - The Czech Republic
  - Slovakia
  - Switzerland
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  - Estonia
  - Latvia
  - Lithuania
  - Belarus
  - Ukraine
  - Moldova
  - Romania
  - Bulgaria
  - Slovenia
  - Bosnia And Herzegovina
  - Greece
  - Italy
  - Spain
  - Portugal
  - Malta
  - Cyprus
- North America
  - Canada
  - The United States
  - Mexico
- South America
  - Costa Rica
  - Salvador
  - Panama
  - Venezuela
  - Colombia
  - Brazil
  - Ecuador
  - Peru
  - Bolivia
  - Chile
  - Argentina
  - Paraguay
  - Uruguay
- Oceania
  - Australia
  - New Zealand
  - Fiji
- Africa
  - Egypt
  - Libya
  - Tunisia
  - Algeria
  - Morocco
  - Nigeria
  - Ethiopia
  - Kenya
  - Uganda
  - Tanzania
  - Zambia
  - Mozambique
  - Mauritius
  - South Africa



## ★大族粤铭激光集团国内售后服务网络 Han's Yueming Laser Group Domestic After-sales Service Net Work



<b>集团总部</b>	广东省东莞市松山湖国家高新技术产业开发区工业东路28号
<b>深圳办事处</b>	广东省深圳市龙岗镇南联村御豪苑1号楼3单元复式1607房
<b>广佛办事处</b>	广东省佛山市南海区里水镇沙涌湖洲村湖洲路50号金城缙香花园7座1304房
<b>中山办事处</b>	广东省中山市东升镇龙昌路28号嘉宏世纪豪庭帝豪轩5栋2301
<b>杭州办事处</b>	浙江省杭州市余杭区临平街道东港花苑18栋二单元702室
<b>台州办事处</b>	浙江省台州市路桥区双水名苑8-1601室
<b>宁波办事处</b>	浙江省宁波市白云庄社区68弄4号208室（白云街68弄4号208）
<b>义乌办事处</b>	浙江省金华市义乌市宗泽路406-408号（宾王中学斜对面靠稠州路）
<b>温州办事处</b>	浙江省温州市欧海区汇宁小区二组团8幢1404室
<b>苏州办事处</b>	江苏省苏州市沧浪区长兴村1号金秋家园5幢2404
<b>无锡办事处</b>	江苏省无锡市梁溪区益明苑17幢-401室
<b>南京办事处</b>	江苏省南京市浦口区柳州东路202号北外滩水城第三街区10幢2单元1204室
<b>厦门办事处</b>	福建省厦门市集美区侨英街道同集南路集安广场小区336之1号1102室

<b>上海办事处</b>	上海市嘉定区外青松公路85弄2号502
<b>天津办事处</b>	天津市北辰区小淀镇翠樾园小区15号楼701室
<b>莆田办事处</b>	福建省莆田荔城区文献东路霞墩小区6号楼701室
<b>泉州办事处</b>	福建省晋江市双龙路双龙湾小区6号楼1207室
<b>沈阳办事处</b>	辽宁省沈阳市沈河区北站东二路8-3号C栋183龙汉城市花园
<b>郑州办事处</b>	河南省郑州市二七区航海西路帝湖花园东王府5号楼2801室
<b>偃师办事处</b>	河南省偃师市摩托厂商属院19号楼3单元12楼东户
<b>济南办事处</b>	山东省济南市槐荫区绿地国际花都4区3号楼1单元1701室
<b>广西办事处</b>	广西省南宁市朝阳路金山广场C2座1629房
<b>成都办事处</b>	四川省成都市银润路西城御景小区6栋2005室
<b>南昌办事处</b>	江西省南昌市西湖区抚河中路433号四单元401室
<b>合肥办事处</b>	安徽省合肥市包河区世纪阳光花园B-17栋303室
<b>重庆办事处</b>	四川省重庆市沙坪坝区大学城繁华里4栋26-7



## ★自备世界先进设备刷新行业精工标准 Import The World's Advanced Equipment To Refresh The Industry Standard



大型双立柱龙门加工中心



大型数控龙门加工中心



大型动柱型龙门加工中心



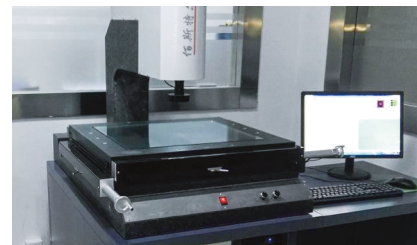
大型燃气退火炉



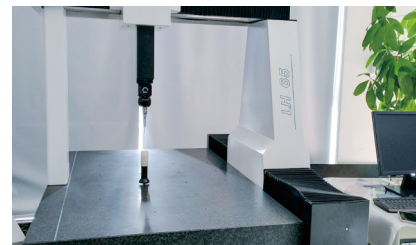
高精度数控加工中心



高精度立式加工中心



二次元测量仪



桥式三坐标测量机



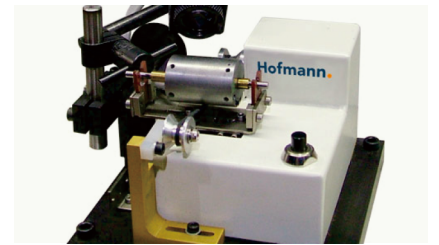
双向精密自准直仪



激光干涉仪



超声波检测仪



动平衡校正仪

为同步世界先进水平，持续提高产品质量和制造精度，多年来，大族粤铭激光集团陆续投入巨资，从国外引进各类高端工业加工机床和高精度检测设备100余台（套），其中包括大型五轴加工中心、龙门式加工中心、数控车床、数控铣床、数控磨床，以及三次元座标测量

In order to keep pace with the world's advanced level and continuously improve product quality and manufacturing accuracy, Han's Yueming Laser Group has invested heavily in introducing more than 100 sets of various high-end industrial processing machine tools and high-precision testing equipment from abroad over the years, including Large-scale five-axis machining center, gantry machining center, CNC lathe, CNC milling machine, CNC grinder, as well as three-dimensional coordinate

仪、动平衡校正仪、激光仪和循圆测定仪、激光干涉仪、准直仪、金相显微镜、超声波检测仪、红外线分析仪等高端检验检测设备。先进设备的引进，让各项零部件的品质及精度达到新的高度，必将成就大族粤铭激光集团强劲的生产力和竞争力。

measuring instrument, dynamic balance correction instrument, laser instrument and circular measuring instrument, laser interferometer, collimator, gold High-end inspection and testing equipment such as phase microscope, ultrasonic detector, infrared analyzer, etc. The introduction of advanced equipment has allowed the quality and precision of various parts to reach new heights, which will surely achieve the strong productivity and competitiveness of Han's Yueming Laser Group.







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高精度光纤激光切割机系列

High Precision Fiber Laser Cutting Machine Series



产品技术亮点

- ◆龙直线电机传动、龙门双驱结构设计，最大加速度可达1.5G，拐角位切割效果极佳，有效提高了生产效率；
- ◆切割平台采用大理石结构设计，在高速、长时间的运行状态下，可以确保机床的高精度和高稳定性；
- ◆专业的激光切割控制系统配合高稳定性的床身设计，可实现细微小孔的高速切割及图文标刻功能；
- ◆可选配视觉定位系统。

Features

- ◆Linear motor achieve maximum 1.5G acceleration, high efficiency;
- ◆Marble mechanism can guarantee the high speed and high precision processing;
- ◆Support fine cutting technique of smooth start and end toolpath.Widely used in 3C industry, thin and fragile material production like ceramic glass, polymer film and eye glasses frame etc;
- ◆CCD version system available.

产品技术参数		Specification								
型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	重复定位精度 Repeated positioning accuracy	切割厚度 Cutting thickness	激光波长 Laser wavelength	设备功率 Gross powe	电源 Supply voltage	工作环境 Working environment
PCF0606-L-A	500~1500W	600×600mm	1800×1470 ×1900mm	1800kg	±0.003mm	≤2mm	1064nm	10kW	AC220V±10% 50Hz	温度:10~45℃ 湿度: < 90% 无凝水 Temp:10~45℃ Humidity: < 90% Clean


适用材料

Material


主要用于不锈钢、铝合金、钛合金、镀锌板、黄铜等金属材料。  
Metal materials such as Stainless steel, Aluminum alloy, Titanium alloy, Galvanize sheet, Brass etc.

经典应用展示


The Samples




手机外壳切割  
Metal Phone Case cutting



U盘外壳切割  
Metal U Disk Shell cutting



眼镜架切割  
Spectacle Frame cutting



电子组件切割  
Laser cutting electronic components cutting

小幅面光纤激光切割机系列

Cube Fiber Laser Cutter Series



产品技术亮点

- ◆采用包围式外防护设计，有效保护工作人员的安全；
- ◆机床采用龙门式双齿条、双伺服电机传动，大扭矩、高惯量输出，有效提高设备的生产效率；
- ◆设备具有停电记忆功能；回退切割功能；故障自动报警、紧急停机功能；故障内容自动显示功能；
- ◆激光切割头搭载全自动调焦功能，使穿孔时间比普通切割头大幅度缩短，特别适合高速切割；
- ◆设备床身采用精密数控加工中心精密加工；经大型燃气加热台车式热处理炉退火最大限度地消除焊接床身的内应力，从而使设备达到更高的精度和更高的稳定性；
- ◆专业的排版套料软件 and 专业的激光切割系统高度融合，具有图形智能排版、自动寻边切割及尖角平滑处理功能，可实现高速爆破穿孔及阵列图形的高速扫描切割功能。

Features

- ◆Enclosed protection cover to prevent the dust and fume go outside, ensure the operator could have a friendly working environment;
- ◆Rack and pinion transmission system, dual-servo drive, effectively improve the equipment production efficiency;
- ◆The equipment enjoy power failure memory; retreat cutting; automatic fault alarm and emergency stop; fault info auto-display;
- ◆Auto-focus head, flexible piercing technique, support auto change focal position in piercing, suitable for metal plate fast processing;
- ◆Mchine tool: large gantry milling, 600℃ heat treatment , 24 hours cooling inside the furnace to ensure the steel welded joint stress relief, then guarantee the machine tool long term accuracy and stability;
- ◆Support basic technique of Fly cut, frog-leap lifting, kerf width compensation, lead line, micro-joint, pre-piercing, film cutting etc.

产品技术参数		Specification								
型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	定位精度 Positioning accuracy	重复定位精度 Repeated positioning accuracy	最大速度 Maximum speed	最大加速度 Maximum accelerated speed	电源 Supply voltage	工作环境 Working environment
CMA1310C-G-A	1000~3000W	1300x1000mm	2350×2150 ×1900mm	1200kg	±0.03mm /1000	±0.02mm /1000	45m/min	0.8G	220V 50Hz/60Hz 380V 50Hz/60Hz	温度:0~ 45℃ 湿度: < 80% 无凝结,无灰尘 或灰尘较少 Temp:0~45℃ Humidity:≤80% Clean,less dust

适用材料

Material

主要用于切割碳钢、硅钢、不锈钢、铝合金、钛合金、镀锌板、镀铝锌板、铜等多种金属材料的快速切割。  
Metal materials such as Carbon steel, Stainless steel, Aluminum alloy, Titanium alloy, Galvanize sheet, Brass, Red copper etc.

经典应用展示

The Samples



碳钢切割  
Carbon Steel cutting



黄铜切割  
Brass cutting



钛金切割  
Titanium Alloy cutting



不锈钢切割  
Stainless Steel cutting

开放式中功率光纤激光切割机系列

Medium Power Single Table Fiber Laser Cutter Series



- 产品技术亮点Features
- ◆设备床身采用大型龙门加工中心精密加工；经大型燃气加热台车式热处理炉退火最大限度地消除焊接床身的内应力，从而使设备达到更高的精度和更高的稳定性；

◆专业的排版套料软件 and 专业的激光切割系统高度融合，具有图形智能排版、自动寻边切割及尖角平滑处理功能，可实现高速爆破穿孔及阵列图形的高速扫描切割功能；

◆机床采用龙门式双齿轮齿条、双伺服电机传动，大扭矩、高惯量输出，有效提高设备的生产效率；

◆设备具有停电记忆功能；回退切割功能；故障自动报警、紧急停机功能；故障内容自动显示功能；

◆激光切割头搭载全自动调焦功能，使穿孔时间比普通切割头大幅度缩短，特别适合较厚板材的高速切割。

◆Mchine tool: 8-meter and/or 16-meter gantry milling, 600°C heat treatment , 24 hours cooling inside the furnace to ensure the steel welded joint stress relief, then guarantee the machine tool long term accuracy and stability;

◆Support basic technique of Fly cut, frog-leap lifting, kerf width compensation, lead line, micro-joint, pre-piercing, film cutting etc;

◆Rack and pinion transmission system, dual-servo drive, effectively improve the equipemt production efficiency;

◆The equipment enjoy power failure memory; retreat cutting; automatic fault alarm and emergency stop; fault info auto-display;

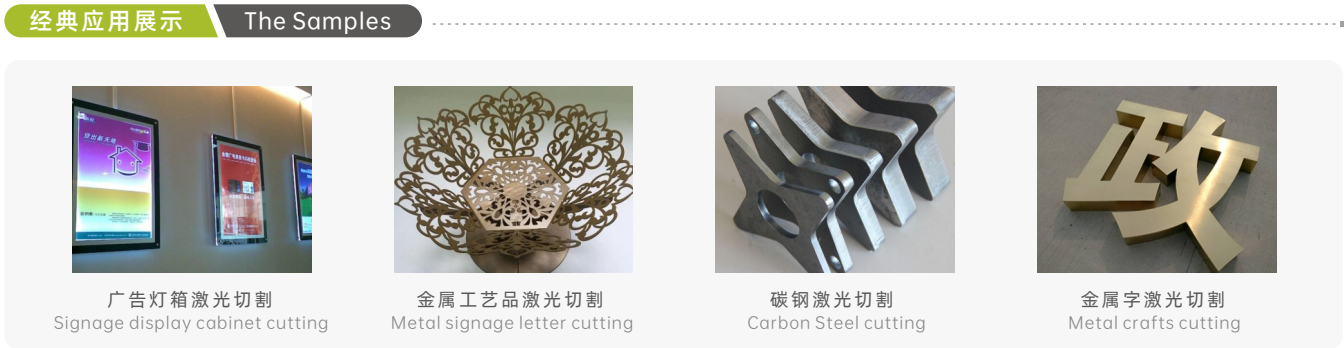
◆Auto-focus head, Flexible piercing technique, support auto change focal position in piercing, suitable for thick metal plate processing.

产品技术参数Specification

型号 Model	工作幅面 Working area	外形尺寸 Overall dimension	激光功率 Laser power	最大速度 Maximum speed	定位精度 Positioning accuracy	重复定位精度 Repeated positioning accuracy	设备功率 Gross power	整机重量 Weight	电源 Supply voltage	工作环境 Working environment
CMH1530-A	1500×3000mm	5100×2260×1900mm	2000 ~ 4000W	60m/min	±0.03mm /1000	±0.02mm /1000	8kW	3000kg	三相 Three phase 380V /50Hz/60Hz	温度: 0~45°C 湿度: ≤80% 无凝结 Temp:0~45°C Humidity:≤80% Clean
CMH1540-A	1500×4000mm	6400×2260×1900mm						3300kg		
CMH1560-A	1500×6000mm	8600×2260×1900mm						4000kg		
CMH2040-A	2000×4000mm	6400×2800×1900mm						3600kg		

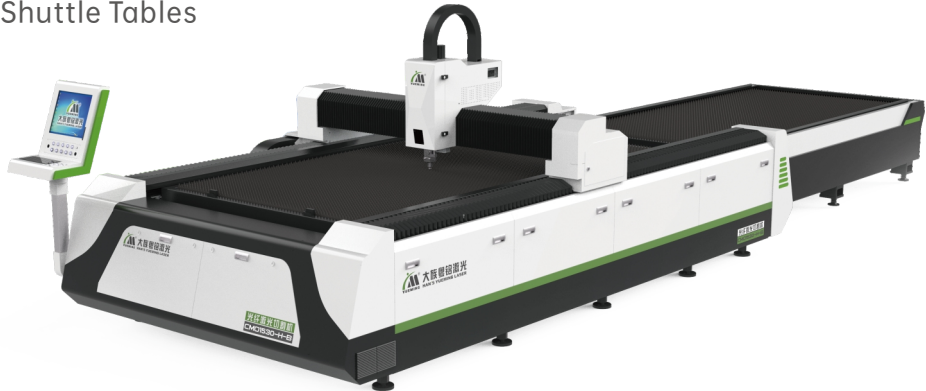
适用材料Material

主要用于切割碳钢、硅钢、不锈钢、铝合金、钛合金、镀锌板、镀铝锌板、铜等多种金属材料的快速切割。  
Metal materials such as Carbon steel, Stainless steel, Aluminum alloy, Titanium alloy, Galvanize sheet, Brass, Red copper etc.



平台交互式光纤激光切割机系列

Fiber Laser Cutter with Shuttle Tables



- 产品技术亮点Features
- ◆采用龙门双齿轮齿条、双伺服电机传动结构，高惯量大扭矩输出，最大加速度可达1.0G，有效提高客户的生产效率；

◆机床采用进口大型龙门设备精密加工，保证几何精度在0.03mm以内，稳定且不易变形；

◆激光头搭载自动调焦功能，穿孔时间比普通切割头减少80%，特别适合高速厚板切割及高反射性材料切割；

◆具有功能检测、自动诊断、故障隔离、故障自动诊断及数据显示功能，能快速排除故障，有效降低售后服务成本；

◆专业的激光切割软件，具有图形排样及尖角平滑处理功能，可实现高速打孔及快速切割功能；

◆配置总线控制系统，超强的抗干扰能力和优越的稳定性。

◆Gantry double rack & pinion, double servo motor drive system, MHMD with great torque, 1G acceleration to ensure higher production efficiency;

◆Strong welded frame body, ensure long term running stability; Autofocus head, piercing time 80% less than manual method, especially for thick metal sheet;

◆It has the detection functions, such as: automatic diagnosis, fault isolation, fault analysis and data display, fast troubleshooting , can effectively reduce maintenance costs;

◆Professional nesting software, highly compatible with cutting system, automatic edge searching and sharp corner smoothing functions, can achieve high-speed piercing and fast array scanning cutting functions;

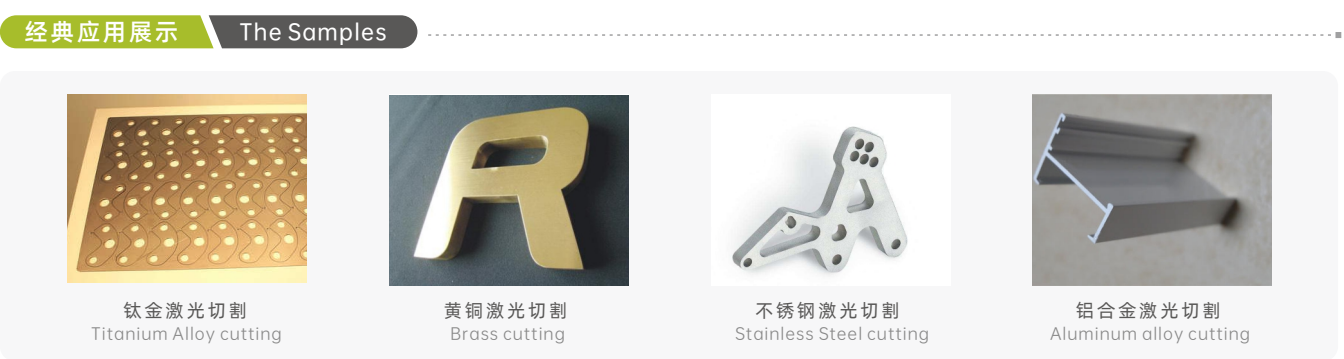
◆EtherCAT control system helps to achieve strong anti-interference ability and long term running stability.

产品技术参数Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	定位精度 Positioning accuracy	重复定位精度 Repeated positioning accuracy	最大速度 Maximum speed	设备功率 Gross power	电源 Supply voltage	工作环境 Working environment
CMO1530-H-B	1000 ~ 4000W	1500×3000mm	8100×2500×1800mm	6500kg	±0.03mm /1000	±0.02mm /1000	100m/min	10kW	三相 Three phase 380V /50Hz/60Hz	温度:0~45°C 湿度:≤80% 无凝结 Temp:0~45°C Humidity:≤80% Clean

适用材料Material

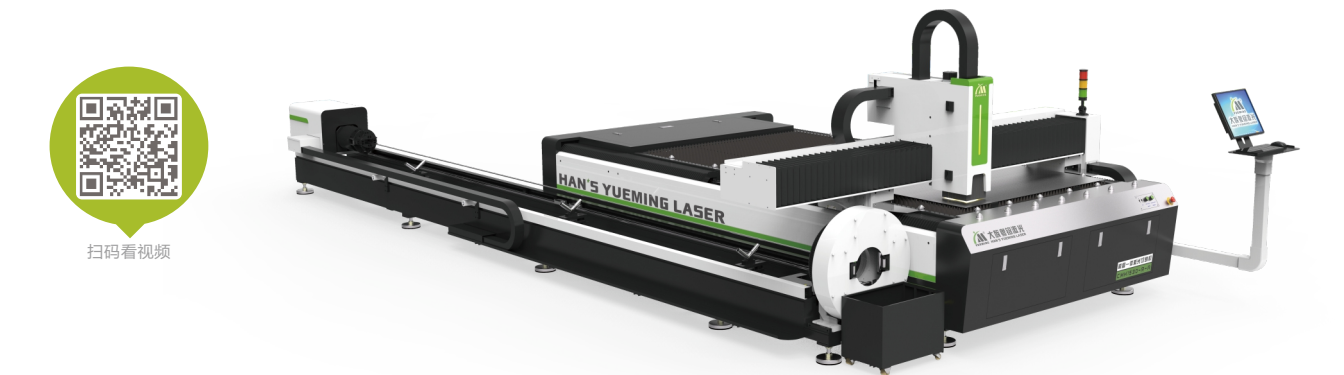
主要用于切割碳钢、硅钢、不锈钢、铝合金、钛合金、镀锌板、镀铝锌板、铜等多种金属材料的快速切割。  
Metal materials such as Carbon steel, Stainless steel, Aluminum alloy, Titanium alloy, Galvanize sheet, Brass, Red copper etc.





开放式板管一体光纤激光切割机系列

Open Single Table Combo Fiber Laser Cutter for Sheet & Tube



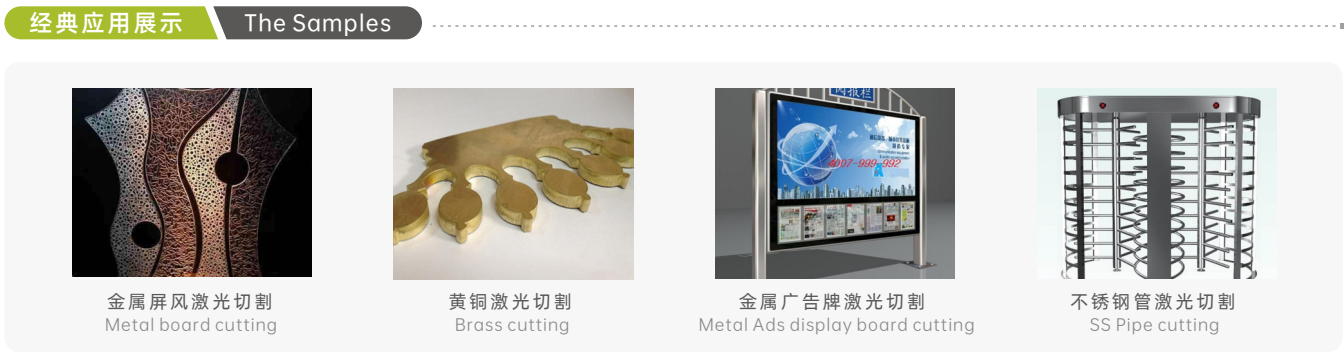
- 产品技术亮点Features
- ◆机床采用龙门式双齿轮齿条、双伺服电机传动，大扭矩、高惯量输出，有效提高设备的生产效率；
  - ◆设备具有停电记忆功能；回退切割功能；故障自动报警、紧急停机功能；故障内容自动显示功能；
  - ◆激光切割头搭载全自动调焦功能，使穿孔时间比普通切割头大幅度缩短，特别适合较厚板材的高速切割；
  - ◆专业的激光切割系统，可兼容板材和管材的切割加工，具有图形智能排版、自动寻边定位管材中心及尖角平滑处理功能；
  - ◆配置气动自定心卡盘，可实现对称独立双动夹紧，夹紧过程无需人工干预和调整；
  - ◆配备万向球辅助上料装置；
  - ◆设备床身采用大型龙门加工中心精密加工；经大型燃气加热台车式热处理炉退火最大限度地消除焊接床身的内应力，从而使设备达到更高的精度和更高的稳定性。
  - ◆Rack and pinion transmission system, dual-servo drive, effectively improve the equipment production efficiency;
  - The equipment enjoy power failure memory; retreat cutting; automatic fault alarm and emergency stop; fault info auto-display;
  - ◆Auto-focus head, flexible piercing technique, support auto change focal position in piercing, suitable for thick metal plate processing;
  - ◆Suitable for sheet and tube processing, software can help to Auto Find Tube Center in Production, and enjoy Active Control at Corner Cutting;
  - ◆Support offset tube center error in production to improve through holes cutting precision;
  - ◆Equipped with flexible support auxiliary feeding device;
  - ◆Mchine tool: large gantry milling, 600℃ heat treatment , 24 hours cooling inside the furnace to ensure the steel welded joint stress relief, then guarantee the machine tool long term accuracy and stability.

技术参数Specification

型号 Model	板材切割范围 Limits of board	管材直径范围 Pipe diameter range	最大管长 Maximum duct length	激光功率 Laser power	最大速度 Maximum speed	定位精度 Positioning accuracy	外形尺寸 Overall dimension	设备功率 Gross power	整机重量 Weight	电源 Supply voltage	工作环境 Working environment
CMH1530-R-A	1500×3000mm	φ10-φ120 φ20-φ220 (可选配Optional)	6000mm	2000~4000W	60m/min	±0.03mm/1000	7800×3300 ×1800mm	20kW	4500kg	三相 Three phase 380V /50Hz/60Hz	温度: 0~45℃ 湿度: ≤80% 无凝结 Temp: 0~45℃ Humidity: ≤80% Clean

适用材料Material

主要用于碳钢、硅钢、不锈钢、铝合金、钛合金、镀锌板、镀铝锌板、铜等多种金属材料的快速切割。  
Metal materials such as Carbon steel, Stainless steel, Aluminum alloy, Titanium alloy, Galvanize sheet, Brass, Red copper etc.



交互式板管一体光纤激光切割机系列

Enclosed Combo Fiber Laser Cutter for Sheet & Tube



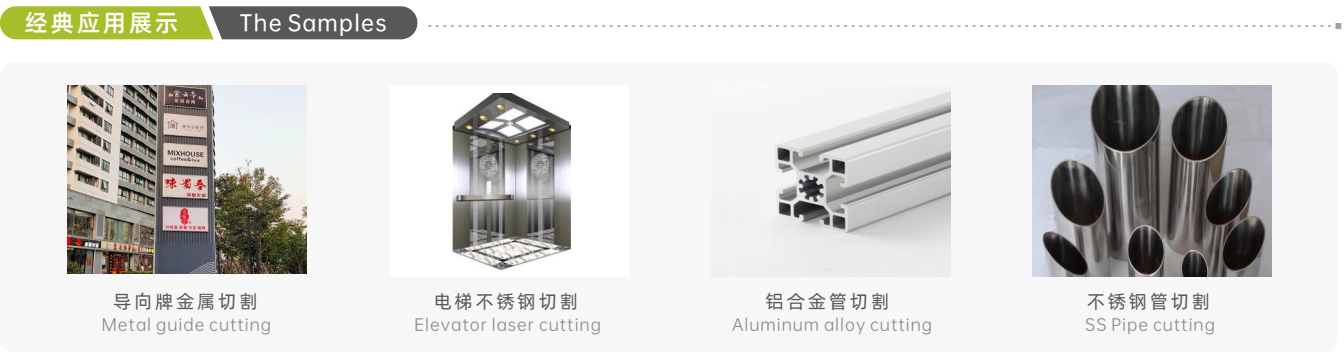
- 产品技术亮点Features
- ◆机床采用龙门式双齿轮齿条、双伺服电机传动，大扭矩、高惯量输出，有效提高设备的生产效率；
  - ◆设备具有停电记忆功能；回退切割功能；故障自动报警、紧急停机功能；故障内容自动显示功能；
  - ◆激光切割头搭载全自动调焦功能，使穿孔时间比普通切割头大幅度缩短，特别适合较厚板材的高速切割；
  - ◆配置气动自定心卡盘，可实现对称独立双动夹紧，夹紧过程无需人工干预和调整；
  - ◆采用包围式外防护设计，有效保护工作人员的安全；
  - ◆专业的激光切割系统，可兼容板材和管材的切割加工，具有图形智能排版、自动寻边定位管材中心及尖角平滑处理功能；
  - ◆设备床身采用大型龙门加工中心精密加工；经大型燃气加热台车式热处理炉退火最大限度地消除焊接床身的内应力，从而使设备达到更高的精度和更高的稳定性。
  - ◆Rack and pinion transmission system, dual-servo drive, effectively improve the equipment production efficiency;
  - The equipment enjoy power failure memory; retreat cutting; automatic fault alarm and emergency stop; fault info auto-display;
  - ◆Auto-focus head, flexible piercing technique, support auto change focal position in piercing, suitable for thick metal plate processing;
  - ◆Support offset tube center error in production to improve through holes cutting precision;
  - ◆Enclosed protection cover to prevent the dust and fume go outside, ensure the operator could have a friendly working environment;
  - ◆Suitable for sheet and tube processing, software can help to Auto Find Tube Center in Production, and enjoy Active Control at Corner Cutting;
  - ◆Mchine tool: large gantry milling, 600℃ heat treatment , 24 hours cooling inside the furnace to ensure the steel welded joint stress relief, then guarantee the machine tool long term accuracy and stability.

产品技术参数Specification

型号 Model	工作幅面 Working area	管材直径范围 Pipe diameter range	最大管长 Maximum duct length	激光功率 Laser power	最大速度 Maximum speed	定位精度 Positioning accuracy	外形尺寸 Overall dimension	设备功率 Gross power	整机重量 Weight	电源 Supply voltage	工作环境 Working environment
CMO1530-CHR-B	1500×3000mm	φ10-φ120 φ20-φ220 (可选配Optional)	6000mm	2000 ~ 4000W	100m/min	±0.03mm/m	8600×3700 ×2100mm	14kW	9000kg	三相 Three phase 380V /50Hz/60Hz	温度: 0~45℃ 湿度: ≤80% 无凝结 Temp: 0~45℃ Humidity: ≤80% Clean
CMO2040-CHR-B	2000×4000mm						11000×4200 ×2100mm		10500kg		
CMO2560-CHR-B	2500×6000mm						13500×4700 ×2100mm		12000kg		

适用材料Material

主要用于碳钢、硅钢、不锈钢、铝合金、钛合金、镀锌板、镀铝锌板、铜等多种金属材料的快速切割。  
Metal materials such as Carbon steel, Stainless steel, Aluminum alloy, Titanium alloy, Galvanize sheet, Brass, Red copper etc.







## 全自动上料光纤激光切管机系列

Tube Fiber Laser Cutting Machine with Auto-loading System



扫码看视频



### 产品技术亮点 Features

- ◆设备床身采用大型龙门加工中心精密加工；经大型燃气加热台车式热处理炉退火最大限度地消除焊接床身的内应力，从而使设备达到更高的精度和更高的稳定性；
- ◆配置气动自定心卡盘，可实现对称独立双动夹紧，夹紧过程无需人工干预和调整，结构设计简单稳定，可夹持矩形管、圆管、椭圆管、三角形管、多边形管、工字钢和槽钢等型材；
- ◆设备具有停电记忆功能；回退切割功能；故障自动报警、紧急停机功能；故障内容自动显示功能；
- ◆专业的排版套料软件和激光切割系统高度融合，具有图形智能排版、自动定位管材中心及尖角平滑处理功能，在相贯线、打孔、尖角处理等方面具有独特的功能及切割效果。
- ◆Mchine tool: large gantry milling, 600°C heat treatment, 24 hours cooling inside the furnace to ensure the steel welded joint stress relief, then guarantee the machine tool long term accuracy and stability;
- ◆Support offset tube center error in production to improve through holes cutting precision. Besides standard tube like square and round tube, TubePro also supports profiles and free form tube production of U/L/H/T channels, Obround, oval and polygon etc.
- ◆The equipment enjoy power failure memory; retreat cutting; automatic fault alarm and emergency stop; fault info auto-display;
- ◆Software can help to Auto Find Tube Center in Production, and enjoy Active Control at Corner Cutting.

### 产品技术参数 Specification

型号 Model	管材直径范围 Pipe diameter range	最大管长 Maximum duct length	激光功率 Laser power	最大速度 Maximum speed	最大加速度 Maximum accelerated	定位精度 Positioning accuracy	外形尺寸 Overall dimension	设备功率 Gross power	整机重量 Weight	电源 Supply voltage	工作环境 Working environment
PCH60022-A	Φ10-Φ120mm Φ20-Φ220mm (可选配Optional)	6000mm	2000~6000W	120rpm/min	1.2G	±0.03mm/m	12000×2200 ×2300mm	12kW	6500kg	三相Three phase 380V /50Hz/60Hz	温度:0~45°C 湿度:≤80% 无凝结 Temp:0~45°C Humidity:≤80% Clean

### 适用材料 Material

主要用于圆管、方管、扁方管、U型管、槽钢、工字钢等各种管材切割。  
Apply to various pipes such as round pipe, square pipe, flat pipe, U-shaped pipe, channel steel, and other steel profile.

### 经典应用展示 The Samples



不锈钢激光切割  
Stainless Steel cutting



不锈钢管激光切割  
SS Pipe cutting



碳钢管激光切割  
Carbon Steel cutting



钛金管激光切割  
Titanium Tube cutting

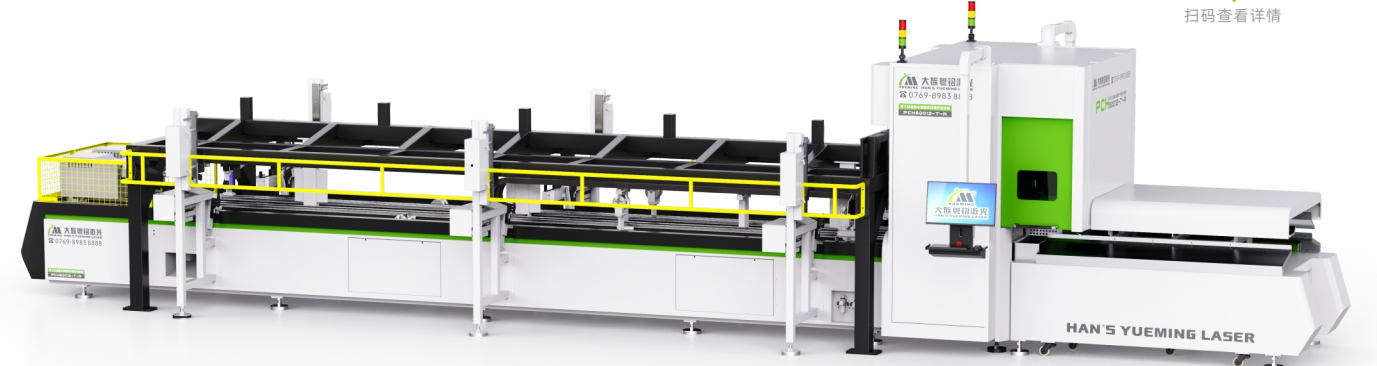


## 双工位金属小管材光纤激光切管机系列

2 in 1 Tube Fiber Laser Cutter for Small Tube



扫码查看详情



### 产品技术亮点 Features

- ◆联排双工位设计，双头可独立切割相同或不同形状的型材，实现双倍的切割加工功效；
- ◆设备具有停电记忆功能；回退切割功能；故障自动报警、紧急停机功能；故障内容自动显示功能；
- ◆全自动空中送料，工件料盘自动翻转落料；
- ◆配置气动自定心卡盘，真正实现管材切割近似于“零废料”加工，充分提高型材利用率；
- ◆专业的排版套料软件和激光切割系统高度融合，具有图形智能排版、自动定位管材中心及尖角平滑处理功能，在相贯线、打孔、尖角处理等方面具有独特的功能及切割效果。
- ◆设备床身采用大型龙门加工中心精密加工；经大型燃气加热台车式热处理炉退火最大限度地消除焊接床身的内应力，从而使设备达到更高的精度和更高的稳定性。
- ◆Integrates 2 tube cutting system in 1 body, both head could work separately, very compact design also enjoy double productivity;
- ◆The equipment enjoy power failure memory; retreat cutting; automatic fault alarm and emergency stop; fault info auto-display;
- ◆Auto-loading charging bucket save the space in factory;
- ◆Equipped with pneumatic self-centering chuck, "zero waste" processing, save the material;
- ◆Support offset tube center error in production to improve through holes cutting precision. Besides standard tube like square and round tube, TubePro also supports profiles and free form tube production of U/L/H/T channels, Obround, oval and polygon etc.
- ◆Mchine tool: large gantry milling, 600°C heat treatment, 24 hours cooling inside the furnace to ensure the steel welded joint stress relief, then guarantee the machine tool long term accuracy and stability;

### 产品技术参数 Specification

型号 Model	管材直径范围 Pipe diameter range	卡爪夹持重量 Claw clamping weight	管材长度 Tube length	激光功率 Laser power	最大速度 Maximum speed	最大加速度 Maximum accelerated	定位精度 Positioning accuracy	外形尺寸 Overall dimension	整机重量 Weight	电源 Supply voltage	工作环境 Working environment
PCH60012-T-A	Φ10-Φ80mm 其他规格可定制	30kg	6000mm	1000 3000W	120rpm/min	1.2G	±0.03mm/m	11350×3500 ×2450mm	6500kg	三相Three phase 380V 50Hz/60Hz	温度:0~45°C 湿度:≤80% 无凝结 Temp:0~45°C Humidity:≤80% Clean

### 适用材料 Material

主要用于圆管、方管、矩形管、椭圆管等各种管材激光切割。  
It is mainly used for laser cutting of round tubes, square tubes, rectangular tubes, oval tubes, etc.

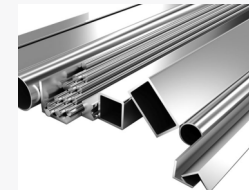
### 经典应用展示 The Samples



不锈钢激光切割  
Stainless Steel cutting



各类管材激光切割  
All kinds of pipe cutting



矩形管激光切割  
Rectangular tube cutting



碳钢管激光切割  
Carbon steel pipe cutting



全封闭交互式光纤激光切割机系列

Full Enclosed Fiber Laser Cutter



- 产品技术亮点Features
- ◆机床采用龙门式双齿轮齿条、双伺服电机传动，大扭矩、高惯量输出，有效提高设备的生产效率；

◆整机采用全包围式外防护设计，可以有效保护设备操作人员的工作安全；

◆设备具有停电记忆功能；回退切割功能；故障报警、紧急停机功能；故障内容自动显示功能；

◆激光切割头搭载全自动调焦功能，使穿孔时间比普通切割头大幅度缩短，特别适合较厚板材的高速切割；

◆设备床身采用大型龙门加工中心精密加工；经大型燃气加热台车式热处理炉退火最大限度地消除焊接床身的内应力，从而使设备达到更高的精度和更高的稳定性；

◆通过激光切割套料软件的自动排版功能，使图形的切割路径达到充分优化及图形尖角平滑过渡，从而实现快速切割。

◆Rack and pinion transmission system, dual-servo drive, effectively improve the equipment production efficiency;

◆Enclosed protection cover to prevent the dust and fume go outside, ensure the operator could have a friendly working environment;

◆The equipment enjoy power failure memory; retreat cutting; automatic fault alarm and emergency stop; fault info auto-display;

◆Auto-focus head, Flexible piercing technique, support auto change focal position in piercing, suitable for thick metal plate processing;

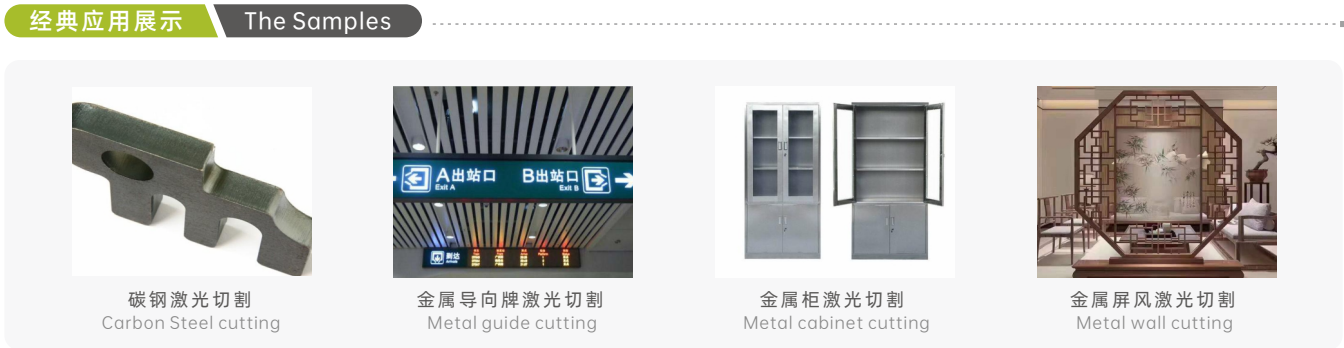
◆Mchine tool: 8-meter and/or 16-meter gantry milling, 600℃ heat treatment , 24 hours cooling inside the furnace to ensure the steel welded joint stress relief, then guarantee the machine tool long term accuracy and stability.;

◆Powerful algorithm engine of high efficiency and production rate; no limit of sheet and parts quantity in nesting; support manual and automatic nesting; support free form sheet nesting.

产品技术参数Specification									
型号Model	工作幅面Working area	外形尺寸Overall dimension	激光功率Laser power	最大速度Maximum speed	定位精度Positioning accuracy	重复定位精度Repeated positioning accuracy	整机重量Weight 标准版(S)/高配版(H)	电源Supply voltage	工作环境Working environment
CMH1530-CH-A	1500×3000mm	8700×2900×2500mm	标准版 Standard version 2000~4000W 高配版 High version 6000~12000W	标准版 Standard version 100m/min 高配版 High version 120m/min	±0.03mm/m	±0.02mm/m	6500/7500kg	三相 Three phase 380V /50Hz/60Hz	温度: 0~45℃ 湿度: ≤80% 无凝结 Temp: 0~45℃ Humidity: ≤80% Clean
CMH2040-CH-A	2000×4000mm	10900×3340×2650mm					9000/10500kg		
CMH2560-CH-A	2500×6000mm	14900×4100×2630mm					12000/13500kg		

适用材料Material

主要用于碳钢、硅钢、不锈钢、铝合金、钛合金、镀锌板、镀铝锌板、铜等多种金属材料的快速切割。  
Metal materials such as Carbon steel, Stainless steel, Aluminum alloy, Titanium alloy, Galvanize sheet, Brass, Red copper etc.



大幅面万瓦级光纤激光切割机系列

High Power Single Table Fiber Laser Cutter Series



- 产品技术亮点Features
- ◆专业的激光切割控制系统，具备超强的抗干扰能力和优越的稳定性，具有多穿孔及板材翘起避让功能；

◆设备具有停电记忆功能；回退切割功能；故障自动报警、紧急停机功能；故障内容自动显示功能，切割区域具有光幕自动防护功能；

◆激光切割头搭载全自动调焦功能，使穿孔时间比普通切割头大幅度缩短，特别适合较厚板材的高速切割；

◆具备多种辅助气体智能切换及压力自动控制功能；

◆设备床身采用大型龙门加工中心精密加工；经大型燃气加热台车式热处理炉退火最大限度地消除焊接床身的内应力，从而使设备达到更高的精度和更高的稳定性；

◆设专业的排版套料软件 and 专业的激光切割系统高度融合，具有图形智能排版、自动寻边切割及尖角平滑处理功能，可实现高速爆破穿孔及阵列图形的高速扫描切割功能。

◆Support advanced functions of find workpiece edge, auto focus control, dual shuttle, break point locate, QR code generation, remnant split, round tube cutting etc;

◆The equipment enjoy power failure memory; retreat cutting; automatic fault alarm and emergency stop; fault info auto-display, light curtain is available for safe operation;

◆Auto-focus head, Flexible piercing technique, support auto change focal position in piercing, suitable for thick metal plate processing;

◆Proportional servo valve helps to auto-switch the 3 assist gas to achieve good cutting quality;

◆Mchine tool: 8-meter and/or 16-meter gantry milling, 600℃ heat treatment , 24 hours cooling inside the furnace to ensure the steel welded joint stress relief, then guarantee the machine tool long term accuracy and stability;

◆Support basic technique of Fly cut, frog-leap lifting, kerf width compensation, lead line, micro-joint, pre-piercing, film cutting etc.

产品技术参数Specification									
型号Model	工作幅面Working area	激光功率Laser power	最大移动速度Maximum moving speed	定位精度Positioning accuracy	重复定位精度Repeated positioning accuracy	整机重量Weight	电源Supply voltage	外形尺寸Overall dimension	工作环境Working environment
CMO2560-B	2500×6000mm	标准版 Standard version 2000~4000W 高配版 High version 6000~12000W	80m/min	±0.03mm/m	±0.02mm/m	标准版 Standard version 7500kg 高配版 High version 10000kg	三相Three phase 380V50/60Hz	8000×3750 ×2350mm	温度Temp: 5~40℃ 湿度Humidity: ≤80% 无凝结,无灰尘 或灰尘较少 Clean,less dust
CMO2580-B	2500×8000mm							10400×3750 ×2350mm	

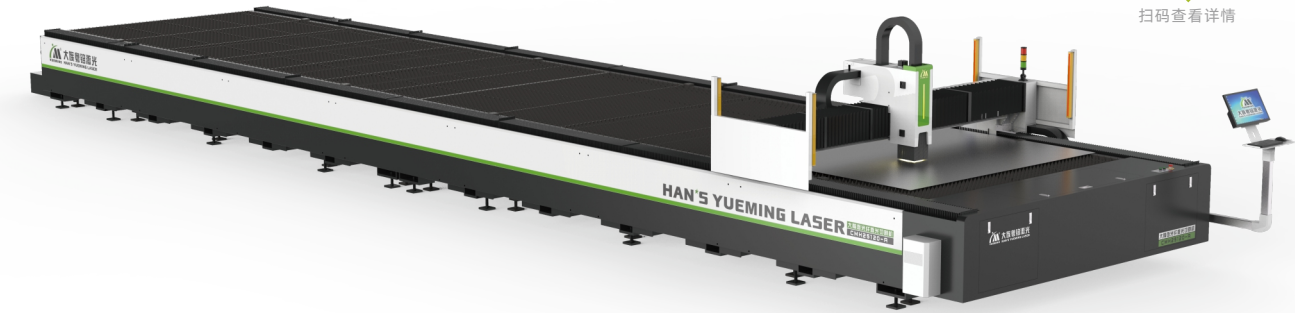
适用材料Material

主要用于碳钢、硅钢、不锈钢、铝合金、钛合金、镀锌板、镀铝锌板、铜等多种金属材料的快速切割。  
Metal materials such as Carbon steel, Stainless steel, Aluminum alloy, Titanium alloy, Galvanize sheet, Brass, Red copper etc.



超大幅面万瓦级光纤激光切割机系列

Gantry Fiber Laser Cutting Machine (high power version)



扫码查看详情

产品技术亮点

Features

- ◆机床结构采用模块化设计，根据客户需求，可定制24~96米超大幅面有效切割行程；
- ◆经有限元应力分析，横梁具有高强度、高刚性、高动态响应特点；
- ◆专业的激光切割控制系统，具备超强的抗干扰能力和优越的稳定性，具有多级穿孔及板材翘起避让功能；
- ◆设备具有停电记忆功能；回退切割功能；故障自动报警、紧急停机功能；故障内容自动显示功能，切割区域具有光幕自动防护功能；
- ◆激光切割头搭载全自动调焦功能，使穿孔时间比普通切割头大幅度缩短，特别适合较厚板材的高速切割；
- ◆具备多种辅助气体智能切换及压力自动控制功能；
- ◆专业的排版套料软件 and 专业的激光切割系统高度融合，具有图形智能排版、自动寻边切割及尖角平滑处理功能，可实现高速爆破穿孔及阵列图形的高速扫描切割功能。

- ◆Modular design structure. According to customer needs, 24~96 working area is optional;
- ◆Finite element analysis of gantry help to achieve the best critical state of dynamic performance;
- ◆Support advanced functions of find workpiece edge, auto focus control, dual shuttle, break point locate, QR code generation, remnant split, round tube cutting etc;
- ◆The equipment enjoy power failure memory; retreat cutting; automatic fault alarm and emergency stop; fault info auto-display, light curtain is available for safe operation;
- ◆Auto-focus head, Flexible piercing technique, support auto change focal position in piercing, suitable for thick metal plate processing;
- ◆Proportional servo valve helps to auto-switch the 3 assist gas to achieve good cutting quality;
- ◆Support basic technique of Fly cut, frog-leap lifting, kerf width compensation, lead line, micro-joint, pre-piercing, film cutting etc.

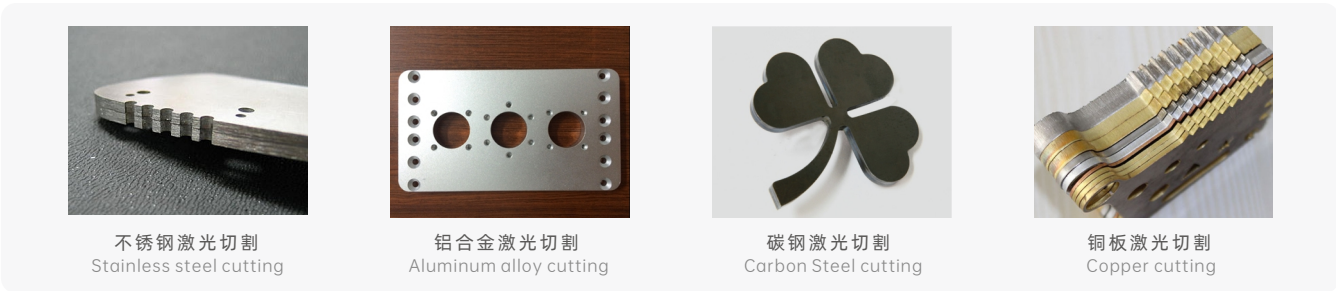
产品技术参数

Specification

型号 Model	工作幅面 Working area	激光功率 Laser power	最大移动速度 Maximum moving speed	定位精度 Positioning accuracy	重复定位精度 Repeated positioning accuracy	整机重量 Weight	电源 Supply voltage	外形尺寸 Overall dimension
CMH2560-A	2500×6000mm	标准版 Standard version 2000~6000W  高配版 High version 12000~30000W	100m/min	±0.03mm/m	±0.02mm/m	7500kg	三相Three phase 380V50/60Hz	2.5m宽： 8500×3650×2100mm 15500×3650×2100mm 22500×3650×2100mm 29500×3650×2100mm
CMH25120-A	2500×12000mm					14500kg		3m宽： 8500×4350×2100mm 15500×4350×2100mm 22500×4350×2100mm 29500×4350×2100mm
CMH25180-A	2500×18000mm					21500kg		
CMH25240-A	2500×24000mm					28500kg		
CMH30120-A	3000×12000mm					15500kg		
CMH30180-A	3000×18000mm					23000kg		
CMH30240-A	3000×24000mm					30500kg		

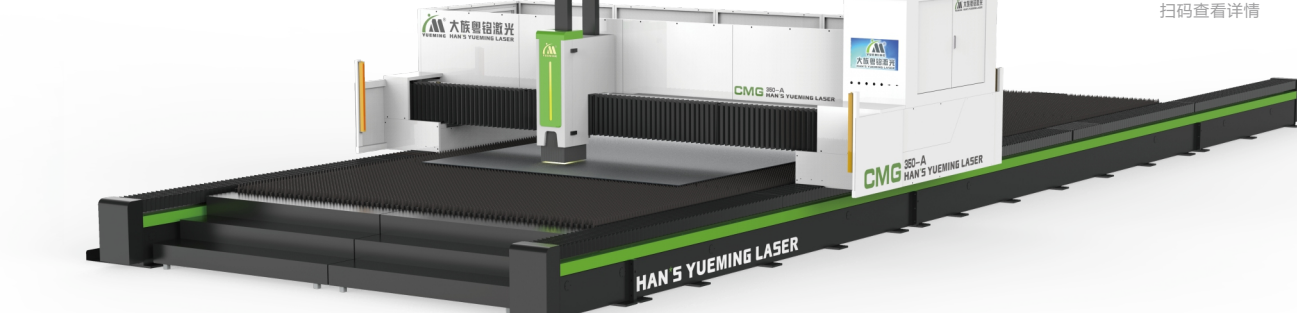
经典应用展示

The Samples



超大幅面搭载式万瓦级光纤激光切割机系列

Gantry Fiber Laser Bevel Cutting Machine



扫码查看详情

产品技术亮点

Features

- ◆切割平台与设备主体采用分离式设计理念，不会因受热变形而影响主机的加工精度；
- ◆整机采用模块化设计，可根据用户需求定制高达100米的超大幅面的切割平台；
- ◆专业的激光切割系统，配合高稳定、高平衡度的机械设计，非常适合16~40mm超厚金属板材的切割，板材切割断面平滑一致，无需进行二次加工；
- ◆设备具有停电记忆功能；回退切割功能；故障自动报警、紧急停机功能；故障内容自动显示功能，切割区域具有光幕自动防护功能；
- ◆机床采用重型龙门模组一体化结构设计，布局紧凑、合理，具有较好的刚性、稳定性和高动态响应性；
- ◆具备多种辅助气体智能切换及压力自动控制功能；
- ◆专业的排版套料软件 and 专业的激光切割系统高度融合，具有图形智能排版、多行多列自动细分区域除尘、自动寻边切割及尖角平滑处理功能，可实现高速爆破穿孔功能。

- ◆The cutting platform and machine tool adopt a separate design, the thermal deformation on platform will not affect the machine tool body;
- ◆Modular design structure. According to customer needs, 100 meters working area is optional;
- ◆Professional laser cutting system, especially for 16~40mm mess production;
- ◆The equipment enjoy power failure memory; retreat cutting; automatic fault alarm and emergency stop; fault info auto-display, light curtain is available for safe operation;
- ◆The machine tool adopts a heavy-duty gantry module integrated structure design, with good rigidity, stability and good dynamic response;
- ◆Proportional servo valve helps to auto-switch the 3 assist gas to achieve good cutting quality;
- ◆Support basic technique of Fly cut, frog-leap lifting, kerf width compensation, lead line, micro-joint, pre-piercing, film cutting etc.

产品技术参数

Specification

型号 Model	工作幅面 Working area	加工长度 Processing length	激光器功率 Overall dimension	最大运行速度 Maximum operating speed	最大加速度 Maximum accelerated	定位精度 Positioning accuracy	重复定位精度 Repeated positioning accuracy	电源 Supply voltage	工作环境 Working environment
CMG250-A	2500mm	6000~80000mm (长度按2000mm叠加定制)	12000W ~ 30000W (可选配)	24m/min	0.5G	±0.1mm/m	±0.05mm/m	三相 Three phase 380V /50Hz/60Hz	温度Temp: 10~35℃ 湿度Humidity: 5~85% 无凝结,无灰尘 或灰尘较少 Clean,less dust
CMG350-A	3500mm								
CMG450-A	4500mm								
CMG550-A	5500mm								

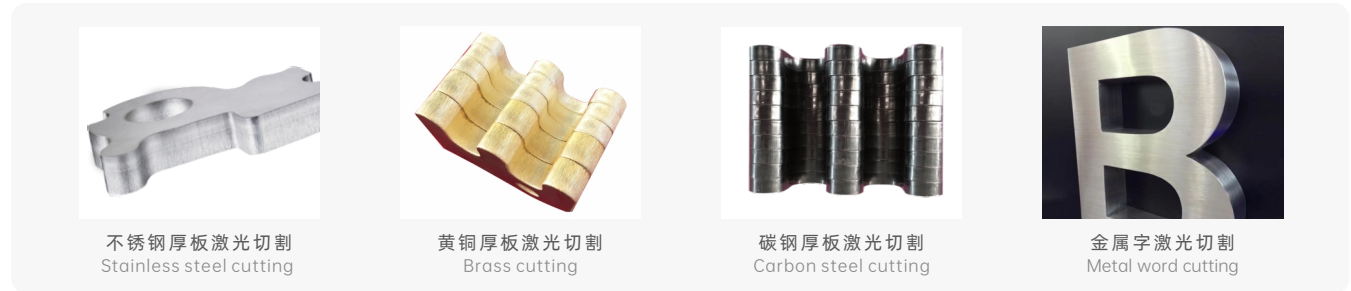
适用材料

Material

主要用于碳钢、硅钢、不锈钢、铝合金、钛合金、镀锌板、镀铝锌板、铜等多种金属材料的快速切割。  
Metal materials such as Carbon steel, Stainless steel, Aluminum alloy, Titanium alloy, Galvanize sheet, Brass, Red copper etc.

经典应用展示

The Samples





光纤激光切割裁床系列

Fiber Laser Cutting Machine



- 产品技术亮点Features
- ◆整机采用龙门齿条双驱结构，加强型铝合金横梁；

◆整机线缆采用IGUS(易格斯)电缆、可靠、稳定；

◆主要元器件采用西门子、施耐德、SMC等进口知名品牌；

◆专业的激光切割软件，具有图形排样及尖角平滑处理功能，可实现高速打孔及标刻功能；

◆可切割紫铜、黄铜、镀锌板等高反材料。

◆Gantry rack & pinion double-drive structure, reinforced aluminum alloy crossbeam;

◆German IGUS cable is used in the whole machine, reliable and stable;

◆Main components are Siemens, Schneider, SMC and other imported well-known brands;

◆The professional laser cutting software has the function of graphic arrangement and sharp angle smoothing, which can realize high-speed punching and marking;

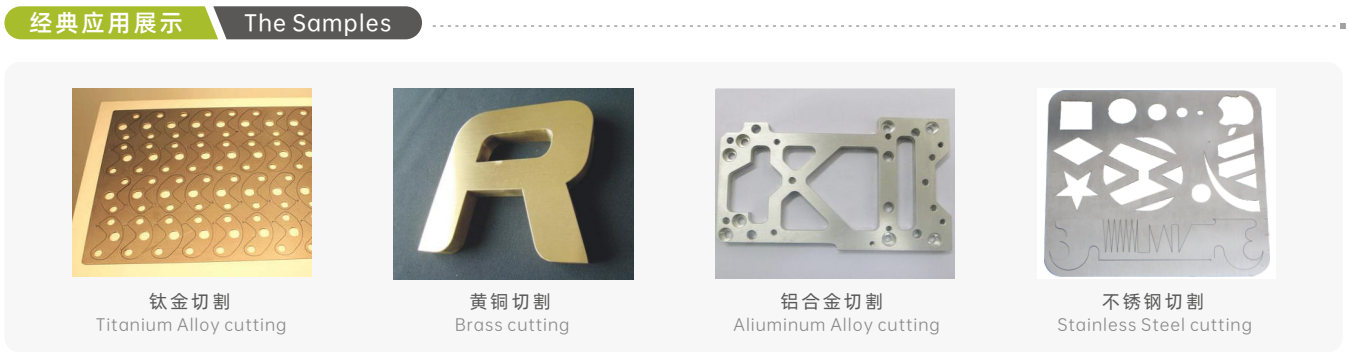
◆Can cut copper, brass, galvanized sheet and other high anti-material.

产品技术参数Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	定位精度 Positioning accuracy	重复定位精度 Repeated positioning accuracy	最大速度 Maximum speed	最大加速度 Maximum accelerated speed	电源 Supply voltage	工作环境 Working environment
CMA1325C-G-G	1000~2000W	2500×1300mm	4520×2030 ×1750mm	2300kg	±0.05mm /1000	±0.03mm /1000	60m/min	0.6G	单相Single-phase 220V /50Hz/60Hz	温度:0~45℃ 湿度:<80% 无凝结,无灰尘 或灰尘较少 Temp:0~45℃ Humidity:<80% Clean, less dust

适用材料Material

主要用于碳钢、不锈钢、铝合金、钛合金、镀锌板、镀铝锌板、黄铜、紫铜等多种金属材料的切割。  
Metal materials such as Carbon steel, Stainless steel, Aluminum alloy, Titanium alloy, Galvanize sheet, Brass, Red copper etc.



高精度CO<sub>2</sub>激光切割机系列

High Precision CO<sub>2</sub> Laser Cutting Machine Series



- 产品技术亮点Features
- ◆采用龙门双伺服驱动结构，高惯量伺服电机，最大加速度为1G；

◆加强型焊接床身、高刚性横梁、配合高精度大理石平台，有效保证高动态刚性的机床系统；

◆进口激光器及光学器件，光斑质量好，输出功率稳定，使用维护成本低；

◆自主开发的激光切割软件，集优异运动控制的性能及强大的图形处理的功能于一体；

◆采用独特设计的专用排烟系统，强力吸烟及有效隔离废料。

◆Use the dual servo motor drive and gantry structure; the high-inertia servo motors ensure the maximum acceleration is 1G;

◆Reinforced welding bed, high-rigid crossbeam, with high-precision marble platform, effectively ensure high dynamic rigidity of the machine tool system;

◆Imported laser source and optical devices ensure the good spot quality, stable output power and low maintenance cost;

◆The self-developed laser cutting software integrates the performance of excellent motion control I and the function of powerful graphics processing;

◆Special smoke exhaust system with unique design, strong smoke suction and effective separation of waste material.

产品技术参数Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	重复定位精度 Repeated positioning accuracy	最大空移速度 Max moving speed	设备功率 Gross power	电源 Supply voltage	工作环境 Working environment
PC0506-A	30~150W	500x600mm	1300×1350 ×1200mm	850kg	±0.01mm	1000mm/s	7kW	单相 Single-phase 220V 35A,50Hz	温度Temp: 10~30℃ 湿度Humidity: 40~80%

适用材料Material

主要用于非金属薄膜材料的高精度切割，如gdf膜、偏光片、触摸屏PET、OCA、电子纸、手写板、柔性oled等。  
It is mainly used for high-precision cutting of thin film materials, such as gdf film, polarizer, touch screen PET, OCA, electronic paper, handwritten board, flexible OLED, etc.



汽车安全气囊双头异步激光切割机系列

Auto Airbag Double-head Asynchronous Laser Cutting Machine Series



扫码看视频



产品技术亮点

Features

- ◆传动结构采用直线电机驱动，最大加速度可达2G，最大速度可达150m/min;
- ◆可实现行进裁剪，双头异步切割，裁剪任务智能高效分配，最大程度提高加工效率;
- ◆抽风无极调速，根据不同工况智能调节激光裁剪区域抽风负压值;
- ◆切割区域全封闭式设计，具有智能防火监测系统，有效保障设备安全;
- ◆高刚性加强型焊接上下床身，进口大型龙门加工中心精铣加工，二次退火，有效消除应力;
- ◆原装进口Rofin Dc系列激光发生器，光斑质量好，输出功率稳定，实现高精密切割;
- ◆横梁采用7075牌号航空级铝材，国内激光行业首创该牌号铝材焊接加工工艺，性能极其稳定;
- ◆内嵌多种传感器实时监测采集各种数据；强大的OEE系统满足工业3.0对设备的智能化要求;
- ◆整机传动系统采用CNC进口全自动润滑系统，可以连续24小时不间断切割。

- ◆Using high-energy non-contact processing, compared with traditional consumables such as knife and mold;
- ◆Digital control technology can edit and process graphics arbitrarily according to user needs;
- ◆Using multiple sets of imported laser and high-speed galvanometer combination, greatly improving the processing area and work efficiency;
- ◆Equipped with automatic unwinding and correction system, the feeding accuracy is higher and more smooth;
- ◆Imported servo motor precision feeding system to ensure stable and accurate feeding speed;
- ◆Multi-head flying laser cutting system, which can realize large-format printing and cutting of unlimited length graphics;
- ◆Professional customized mesh belt conveyor system, large format conveying is stable and high precision;
- ◆Configure automatic typesetting system to make processing more economical;
- ◆Modular design, convenient for transportation, layout and installation.

产品技术参数

Specification

型号 Model	工作幅面 Working area	外形尺寸 Overall dimension	激光功率 Laser power	送料速度 Feeding speed	定位精度 Positioning accuracy	重复定位精度 Repeated Positioning accuracy	设备功率 Gross power	整机重量 Weight	最大加速度 Maximum accelerated	电源 Supply voltage	工作环境 Working environment
HCM3015C-DF-A	3000×1500mm	14000×4100 ×3300mm	2500/3000W	18m/min	±0.03mm /1000	±0.02mm /1000	200kW	22.5T	2G	三相 Three phase 380V/50HZ	温度:0~40℃ 湿度:≤80% 无凝结 Temp:0~40℃ Humidity:≤80% Clean

适用材料

Material

主要用于汽车安全汽囊专用柔性复合材料切割。  
Cutting of flexible composite materials for automobile safety airbags.

经典应用展示

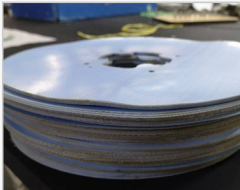
The Samples



汽车安全气囊激光切割(一)  
Car airbag laser cutting (1)



汽车安全气囊激光切割(二)  
Car airbag laser cutting (2)



汽车安全气囊激光切割(三)  
Car airbag laser cutting (3)



汽车安全气囊激光切割(四)  
Car airbag laser cutting (4)

汽车安全气囊振镜式激光切割机系列

Automobile Airbag Galvanometer Laser Cutting Machine Series



扫码看视频



产品技术亮点

Features

- ◆采用高能态非接触式加工，对比传统无需刀模具等耗材；
- ◆可数字化控制技术，根据用户需求任意编辑加工图形；
- ◆采用多套进口激光器及高速振镜组合，大大提高加工幅面和工作效率；
- ◆配置自动放卷纠编系统，送料精度更高、更平整；
- ◆进口伺服电机精准送料系统，确保送料速度平稳精准；
- ◆多头飞行激光切割系统，可实现无限长图形的大幅面印花和切割；
- ◆专业定制网带输送系统，大幅面输送稳定且精度高；
- ◆配置自动排版系统，让加工更省料；
- ◆模块化设计，方便运输、布局及安装。

- ◆Using high-energy non-contact processing, compared with traditional consumables such as knife and mold;
- ◆Digital control technology can edit and process graphics arbitrarily according to user needs;
- ◆Using multiple sets of imported laser and high-speed galvanometer combination, greatly improving the processing area and work efficiency;
- ◆Equipped with automatic unwinding and correction system, the feeding accuracy is higher and more smooth;
- ◆Imported servo motor precision feeding system to ensure stable and accurate feeding speed;
- ◆Multi-head flying laser cutting system, which can realize large-format printing and cutting of unlimited length graphics;
- ◆Professional customized mesh belt conveyor system, large format conveying is stable and high precision;
- ◆Configure automatic typesetting system to make processing more economical;
- ◆Modular design, convenient for transportation, layout and installation.

产品技术参数

Specification

型号 Model	工作幅面 Working area	外形尺寸 Overall dimension	激光功率 Laser power	网带速度 Maximum speed	重复定位精度 Repeated Positioning accuracy	设备功率 Gross power	整机重量 Weight	电源 Supply voltage	工作环境 Working environment
FCA2400-T-A	2400mm*无限长	5200×5800 ×2700mm	350/600/ 1000/2000W	20m/min	±0.05mm	30/50/ 80/120W	6000kg	380V/50Hz	温度:20~35℃ 湿度:≤80% 无凝结 Temp: 20~35℃ Humidity:≤80% Clean

适用材料

Material

主要用于汽车安全汽囊专用柔性复合材料切割。  
Cutting of flexible composite materials for automobile safety airbags.

经典应用展示

The Samples



汽车安全气囊激光切割(一)  
Car airbag laser cutting (1)



汽车安全气囊激光切割(二)  
Car airbag laser cutting (2)



汽车安全气囊激光切割(三)  
Car airbag laser cutting (3)



汽车安全气囊激光切割(四)  
Car airbag laser cutting (4)



## 汽车安全气囊专用激光裁床系列

### High-power Airbag Laser Cutting Machine Series



扫码看视频



#### 产品技术亮点 Features

- ◆RofinDC系列高功率CO<sub>2</sub>激光发生器，性能优越稳定，光斑密度高，具有维护费用低、使用寿命长等特点；
- ◆采用龙门齿条双伺服驱动，具有传动效率高、稳定性好及免维护等优点；
- ◆收料单元与切割单元分开设计，使得收料与切割同步进行提高工作效率；
- ◆飞行光路系统，保证整个切割幅面的光斑效果一致性；
- ◆固定光路设计简单，无需经常调整维护；
- ◆分布式抽风结构，有效吸收切割烟尘颗粒，实现清洁环保切割；
- ◆整机传动采用CNC全自动润滑系统，可以连续24小时不间断切割；
- ◆通过SGS国际认证标准，全封闭式设计，有效保护操作安全。
- ◆RofinDC series high power CO<sub>2</sub> laser generator, stable performance, high density light spot, low maintenance cost and long service life;
- ◆Gantry & rack and pinion & double servo drive system, it has the advantages of high transmission efficiency, good stability and free maintenance;
- ◆The unloading unit and the cutting unit are designed separately to keep the working efficiency of the unloading and cutting synchronization;
- ◆The semi-flying optical path system ensures the uniformity of the effect of the whole cutting;
- ◆Simple fixed optical path design, no need to constantly adjust and maintain;
- ◆Distributed abstracting air structure, effectively absorbing and cutting dust particles, to realize clean and environmental cutting;
- ◆The whole machine adopts CNC automatic lubrication system to keep 24 hours continuous cutting;
- ◆SGS international certification standard, fully enclosed design, effective protection of operation safety.

#### 产品技术参数 Specification

型号 Model	工作幅面 Working area	外形尺寸 Overall dimension	最大速度 Maximum speed	最大加速度 Maximum accelerated	定位精度 Positioning accuracy	重复定位精度 Repeated Positioning accuracy	激光功率 Laser power	整机重量 Weight	电源 Supply voltage	工作环境 Working environment
CMA2425C-GF-A	2500×2400mm	10300×3800×1900mm	0~120m/min	0.8G	±0.01mm/1000	±0.05mm/1000	2500/3000W	9000kg	三相Three phase 380V/50Hz	温度Temp: 5~40℃ 湿度Humidity: < 85% 无凝结, 无灰尘或灰尘较少 Clean, less dust

#### 适用材料 Material

主要用于汽车安全气囊、帆布、帐篷、沙发等。  
Air bag, canvas, tent, sofa fabric.

#### 经典应用展示 The Samples



汽车安全气囊裁剪  
Air bag cutting



汽车内饰品切割  
Automotive interior laser cutting



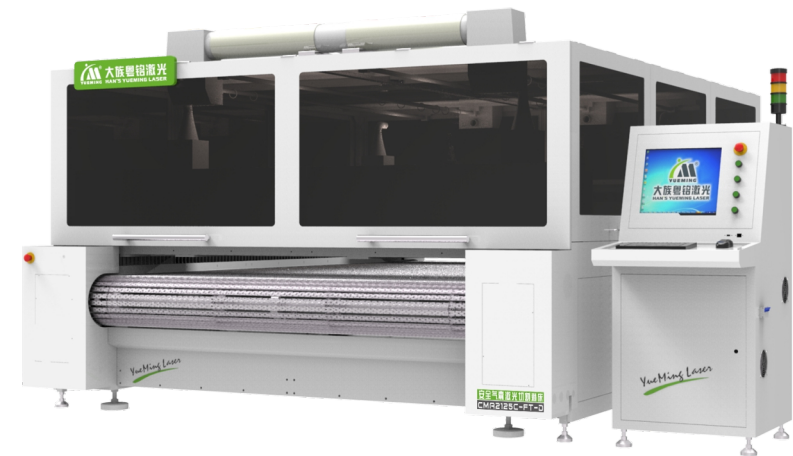
帆布切割  
Canvas cutting



大型帐篷切割  
Large tent fabric laser cutting



扫码看视频



#### 产品技术亮点 Features

- ◆采用齿轮齿条传动结构，高速双边同步驱动，是传统皮带机切割效率的3倍；
- ◆钢架结构、整体拼焊结构，消除内应力处理，确保机床变形公差在0.02mm以内；
- ◆半飞行光路系统，保证整个切割幅面的光斑效果一致性；
- ◆具有良好的扩展性，可配置双激光头；
- ◆分布式抽风系统，有效吸收切割烟尘颗粒，实现清洁环保切割；
- ◆全封闭式安全防护外罩,有效增强安全防护,减少意外伤害；
- ◆专业的图形切割及排样软件，具有混合排料功能。
- ◆Rack & pinion transmission system is adopted to realize the high speed bilateral synchronous drive, which is three times higher in efficiency compared to traditional cutting machines with belt conveyor;
- ◆Steel frame structure with the overall structure of welding and stress relief treatment, to ensure the machine deformation tolerances within 0.02 mm;
- ◆Hybrid laser system is adopted to ensure consistent light spot and cutting effect;
- ◆It could equip with two laser heads to achieve higher efficiency;
- ◆Distributed air draft structure helps effectively absorb cutting smoke and dust particles for better working environment;
- ◆Equipped with containment envelope, could enhance safety and reduce accidental injury;
- ◆Professional graphic cutting and layout software, has mixed layout function.

#### 产品技术参数 Specification

型号 Model	工作幅面 Working area	外形尺寸 Overall dimension	最大速度 Maximum speed	最大加速度 Maximum accelerated	定位精度 Positioning accuracy	重复定位精度 Repeated Positioning accuracy	激光功率 Laser power	整机重量 Weight	电源 Supply voltage	工作环境 Working environment
CMA2125C-DF-A	2100×2500mm	3900×2900×2050mm	45m/min	0.4G	±0.01mm/1000	±0.05mm/1000	130~350W	3000kg	三相Three phase 380V/50Hz	温度Temp: 5~40℃ 湿度Humidity: 5~85% 无凝结, 无灰尘或灰尘较少 Clean, less dust

#### 适用材料 Material

主要用于汽车安全气囊、帆布、帐篷、沙发等。  
Air bag, canvas, tent, sofa fabric.

#### 经典应用展示 The Samples



沙发面料裁切  
Sofa fabric cutting



地毯激光切割  
Carpet laser cutting



降落伞布激光切割  
Parachute cloth laser cutting



皮筏激光切割  
Skin cutting

大幅面激光切割机系列

Large Format Laser Cutting Machine Series



- 产品技术亮点Features
- ◆自动化上料，带纠偏功能；

◆磁粉离合恒张力控制，侧向排废功能；

◆框架采用焊接钢架结构，安装台面整体龙门铣加工；

◆采用打标头横移的大幅面拼接加工，加工幅面可达1600mm；

◆采用进口滑轨丝杆，超高精度，加工可无缝拼接；

◆自主研发的打标控制软件，功能强大，界面友好，操作简洁快速易学易用；

◆兼容性强:支持DXF、PLT矢量和图片格式导入;支持点阵字和 TTF字体以及自主开发字体支持二维码、图片、字符等各种内容标识;支持多种振镜校正方式:大大满足不同层次客户需求。

◆Automatic feeding, with correction function;

◆Magnetic particle clutch and tension control, side waste discharge function;

◆The frame adopts welded steel frame structure, and the worktable is integrally milled by gantry machine;

◆Large-format splicing processing with the horizontal movement of the marking head, the processing format can reach 1600mm;

◆Using imported ball screw rail, ultra-high precision, processing can be seamlessly spliced;

◆The self-developed marking control software has powerful functions, friendly interface, simple and fast operation, easy to learn and easy to use;

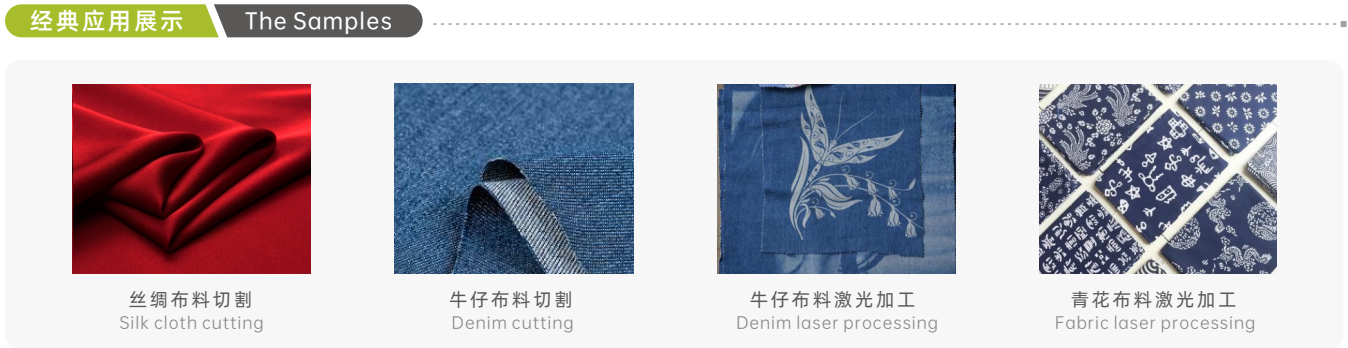
◆Strong compatibility: support DXF, PLT vector and picture format import; support bitmap fonts and TTF fonts and self-developed fonts.

产品技术参数Specification

型号 Model	激光功率 Laser power	工作范围 Cutting range	外形尺寸 Overall dimension	整机重量 Weight	激光波长 Laser wave length	打标速度 Max moving speed	设备功率 Gross power	电源 Supply voltage	工作环境 Working environment
FC1600-B-A	180W	卷料宽度 800~1600mm	2650×3800 ×2100mm	2500kg	1064/355 /10600nm	< 7000mm/s	8.5kW	三相380V	温度Temp: 10~30℃ 湿度Humidity: 5~85% 无凝结,无灰尘 或灰尘较少 Clean,less dust

适用材料Material

主要用于汽车安全气囊、丝绸、牛仔布等柔性材料大幅面切割/打标。  
Mainly used for airbag, silk, denim, sofa, etc.



蕾丝激光切割机系列

Lace Laser Cutting Machine



- 产品技术亮点Features
- ◆高效率双独立运动系统切割模式，最高速度可达到300mm/s；

◆核心件进口配置，整机性能稳定；

◆专业的柔性材料切割控制软件，除常规自动排版功能外，还支持爬坡式排版，分码排版，左右脚排版，多层排版；

◆可同时配置大幅面摄像切割系统和小幅面摄像定位切割系统；

◆设置有收料区域，与加工区域分开，收料不停机，安全性高；

◆集成式设计，减少机器辅机布线，客户只需要提供总电源线接入端及气源即可；

◆支持双卷料同时加工模式，独立的科卷机构

◆High-efficiency double independent motion system cutting mode, the maximum speed can reach 300mm/s;

◆Imported configuration of core parts, stable performance of the whole machine;

◆Professional flexible material cutting control software, in addition to the regular automatic typesetting function, it also supports climbing type typesetting, code division typesetting, left and right foot typesetting, and multi-layer typesetting;

◆A large format camera cutting system and a small format camera positioning cutting system can be configured at the same time;

◆Collecting area equipped, which is separated from the processing area. No need stop the machine when collecting and has high safety;

◆Integrated circuit design, reducing the wiring of machine auxiliary equipment, customers only need to provide the main power cord access terminal and air source;

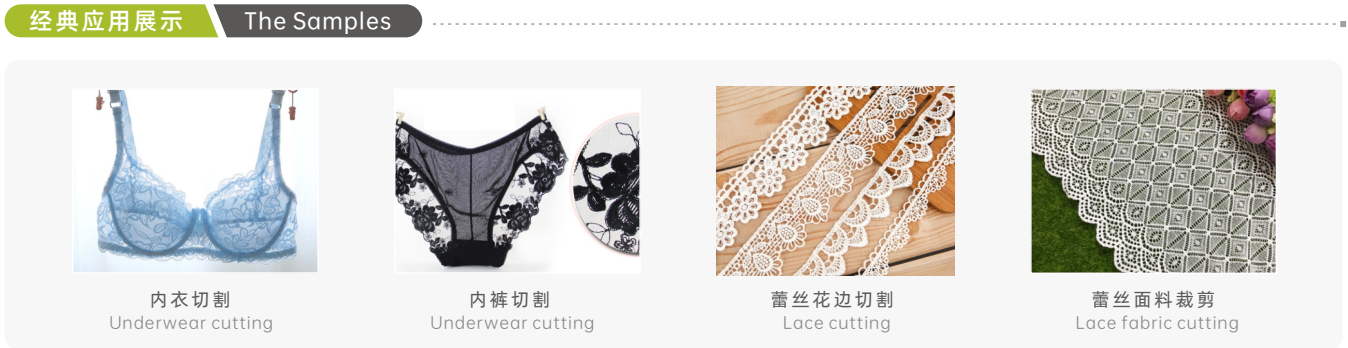
◆Support the simultaneous processing mode of double-coil materials and independent coiling mechanism.

产品技术参数Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	定位精度 Positioning accuracy	最大空移速度 Maximum airspeed	传动系统 Transmission system	设备功率 Gross powe	电源 Supply voltage	工作环境 Working environment
CMA1206C-DFV-A	100W	1200×600mm	5800×2100 ×1980mm	850kg	±0.2mm	18m/min	外置导轨 +内置导轨	< 8kW	220V/50Hz	温度:5~40℃ 湿度:5%~80% 无凝水 Temp:5~40℃ Humidity:5%~80% Clean

适用材料Material

主要用于切割蕾丝花边，数码印花，针织纱布等多种非金属柔性材料的快速切割。  
Mainly for lace cutting, suitable for sublimation printing and Knitting material, good efficiency.



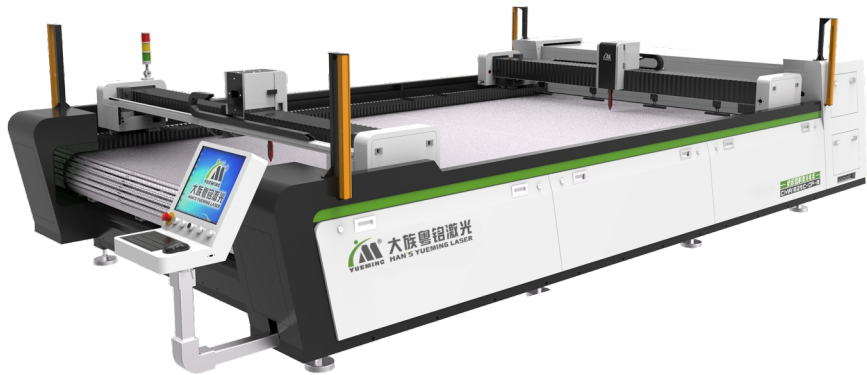


## 纺织面料专用激光裁床系列

Textile Fabric Laser Cutting Machine Series



扫码看视频



### 产品技术亮点

Features

- ◆机床采用进口大型龙门设备精密加工，保证几何精度在0.03mm以内，稳定且不易变形；
- ◆双横梁异步激光切割系统：能针对多种不同大小及排列不规则的图形，合理分配两个激光头在同一切割幅面内进行混合切割，有效提高工作效率和节省材料；
- ◆齿条双伺服驱动，最大运行速度可达60米/分钟；
- ◆自主技术产权的经有限元和动态模拟分析技术，选用航空级铝合金材料的高强度铸铝合金横梁，重量轻、刚性好、动态性能好；
- ◆全自动电子加油润滑系统，免维护，省时省心省事，可以确保设备连续24小时不间断生产运行；
- ◆可以适应任何柔性面料的切割。

### 产品技术参数

Specification

型号 Model	激光器(选择其一) Laser (Optional)	运动方式 Motion mode	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	工作速度 Speed	电源 Supply voltage	工作环境 Working environment
CMA1825C-DF-B	Co2玻璃管:130/ 280W CO2 glass tube	双头异步/单头 (选择其一) Asynchronous two head, single head (Optional)	2500×1800mm	5590×2980 ×1180mm	3000kg	0~60m/min	380V/50Hz	温度Temp: 5~40℃ 湿度Humidity: ≤80% 无凝结,无灰尘 或灰尘较少 Clean,less dust
CMA2130C-DF-A	国产射频管: 250/450W RF tube 进口射频管:130/250/350/550W Imported RF tube		3000×2100mm	6050×3050 ×1260mm	4500kg			

### 适用材料

Material

主要用于服装裁剪、安全气囊、皮革、沙发、地毯、窗帘。  
Clothing, airbag, leather, sofa, carpet, curtain, etc.

### 经典应用展示

The Samples



汽车安全气囊裁剪  
Air bag cutting



汽车内饰品切割  
Automotive interior laser cutting



沙发面料切割  
Sofa fabric cutting



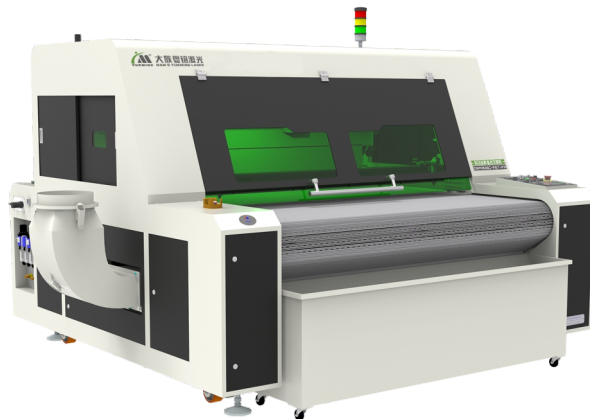
家纺面料切割  
Textile fabric cutting

## 电动双头自动送料激光切割机系列

Double Heads Auto Feeding Laser Cutting Machine Series



扫码看视频



### 产品技术亮点

Features

- ◆加工区和收料区分开设计，设备加工和收料可同步进行，在收料不停机的高效率生产下，也避免了操作人员在设备运行时接触到光路系统及运动系统，有效地保证了生产安全；
- ◆前、后同步跟随压料装置：前自动跟随压料保证了工作台的送料精度，后自动压料防止机器加工过程中材料移动。即使是在进行多层送料时，也能保证产品的加工精度；
- ◆大族粤铭自主知识产权的山字形刀条网带，可单根清洁及更换，维护成本低；
- ◆运动系统采用外轨模组，结构更稳固，方便调节；
- ◆高品质的进口品牌电机、同步带、镜片,确保机器性能稳定；
- ◆机台采用全封闭光路设计，符合CE认证安全标准。

### 产品技术参数

Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	工作速度 Speed	电源 Supply voltage	工作环境 Working environment
CMA1606C-FET-FA	130W	1500×600mm	2385×2190×1900mm	980kg	0~18m/min	主机(Machine): 单相(Single phase) AC220V 风机(Fan):380V, 50/60Hz	温度Temp:5~40℃ 湿度Humidity:5~80% 无凝结,无灰尘或灰尘较少 Clean,less dust

### 适用材料

Material

主要用于网布、绒面革、合成革、布料、毛料、棉麻、无纺布、化纤等。  
Mesh, suede, synthetic leather, linen, non-wovens, chemical fiber and so on.

### 经典应用展示

The Samples



运动鞋激光切割  
Sport Footwear Laser Cutting



鞋面激光开料  
Shoes Vamp Laser Cutting



毛绒玩具激光开料  
Plush Toys Fabrics Cutting



服装布料切割  
Clothing fabric cutting

## 双头异步激光切割机系列

### Double Heads Asynchronous Cutting Machine Series



扫码看视频



#### 产品技术亮点 Features

- ◆双头异步激光切割系统：自主研发的SmartCarve软件，支持两个激光头同时切割不同的图形，同时软件能够根据排版后的图形数据合理分配两个激光头的加工图形，提高生产效率；
  - ◆大幅面视觉系统：支持材料自动提取轮廓及多模版匹配加工；
  - ◆投影功能：可实现投影排版和收料，在加工区和收料区同时投影显示不同尺码、不同部件和左右脚，具备便捷的排版和收料功能；
  - ◆自动排版软件：可以在短时间内进行高利用率的自动排版，支持以双为单位的自动排料，也支持单脚排料、混排、边角料插刀；
  - ◆机台采用全封闭光路设计，符合CE认证安全标准。
- ◆Asynchronous double heads cutting system: Installed self-developed SmartCarve software; the double heads could cut different patterns asynchronously, and the software could assign the nested job to each head to achieve high efficiency;
  - ◆Large format vision cutting system: support printed material contour extraction, support maximum 9 different templates matching and processing;
  - ◆Projection function: nesting and collecting by projection, the projected image shows different sizes, different components, left & right patterns. It has convenient nesting and collection function;
  - ◆Auto-nesting software: The nesting system could nesting in high utilization rate in a short time. The advantages of automatic typesetting can support automatic nesting to double as a unit, also support one foot of row material, mixing, scrap cutter;
  - ◆Fully enclosed laser path design, comply with CE safety certification.

#### 产品技术参数 Specification

型号 Model	工作幅面 Working area	外形尺寸 Overall dimension	激光功率 Laser power	整机重量 Weight	工作速度 Speed	电源 Supply voltage	工作环境 Working environment
CMA1612C-DF-FA	1550×1150mm	2780×2905×2065mm	130W	1200kg	0~18m/min	主机(Machine): 单相(Single phase) AC220±5% 风机(Fan): 380V, 50/60Hz	温度Temp: 5~40°C 湿度Humidity: 5~80% 无凝结,无灰尘 或灰尘较少 Clean, less dust
CMA1606C-DF-FA	1550×550mm	2400×2115×1910mm		850kg			

#### 适用材料 Material

主要用于网布、绒面革、合成革、布料、毛料、棉麻、无纺布、化纤等。  
Mesh, suede, synthetic leather, linen, non-wovens, chemical fiber and so on.

#### 经典应用展示 The Samples



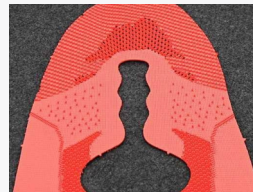
运动手套激光切割  
Sport glove laser cutting



鞋材辅件切割  
Footwear accessories laser cutting



皮鞋激光裁切  
Leather shoes laser cutting



针织鞋面激光切割  
Fly knitting fabrics laser cutting



扫码看视频



#### 产品技术亮点 Features

- ◆双横梁异步切割系统可选择单横梁单头或单横梁双头，组成异步双头或异步四头激光切割机；
  - ◆两组横梁可以同时独立加工不同的图形，加工效率更高；
- 运动系统采用多套步进电机，高惯量、大力矩，确保设备高速、高精度运转；
- ◆高刚性方管焊接机身，配以钣金外罩，确保机器运行平稳；
  - ◆自动送料可选择带链条“人”字型网带或“山”字型网带，送料稳定，易于保养；
  - ◆大族粤铭自主开发的运动系统，重量轻、刚性高、动态性能好；
  - ◆选配：专业大幅面视觉定位切割软件，具有图形排样及尖角平滑处理功能，可实现自动提边、特征定位等定位方式，可实现多模板，多特征等视觉切割功能。
- ◆Double crossbeams asynchronous cutting system can be installed with single crossbeam with single head or single crossbeam with twin heads. So the laser cutting machine has the double crossbeams with two heads or four heads;
  - ◆The double crossbeams work independently to process the different patterns, more efficient;
  - ◆The motion system adopts multiple sets of step motors with high inertia and torque to ensure high-speed and high-precision operation;
  - ◆Rigid square tube welding body with sheet metal housing to ensure smooth operation;
  - ◆Y type or E type conveyor is optional for the auto-feeding system, stable feeding and easy to maintain;
  - ◆The rail motion system is independently developed by YUEMING, light weight, high rigidity and good dynamic performance;
  - ◆Optional: professional large format vision cutting software, with graphic nesting and sharp angle smoothing function, can achieve automatic outline extraction, feature positioning and other positioning methods, also multi-template, multi-feature and other vision cutting functions.

#### 产品技术参数 Specification

型号 Model	激光功率 Laser power	设备功率 Total power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	工作速度 Speed	电源 Supply voltage	工作环境 Working environment
CMA1612C-DFVET-A	80~130W	7600~9700W	1600×1000mm	2330×2190×1900mm	900kg	0~20m/min	220-240V 50/60Hz	温度Temp: 5~40°C 湿度Humidity: 5~80% 无凝结,无灰尘 或灰尘较少 Clean, less dust
CMA1814C-DFVET-B			1750×1150mm	2205×2500×1950mm	950kg			

#### 适用材料 Material

主要用于布料、毛料、皮革等柔性面料的切割。  
Fabric, wool, leather, flexible materia.

#### 经典应用展示 The Samples



印花运动服切割  
Digital printing sport wear cutting



骑行服切割  
Cycling Suits Vision Cutting



女式泳装切割  
swimming suit laser cutting




泳衣切割  
Swimwear cutting

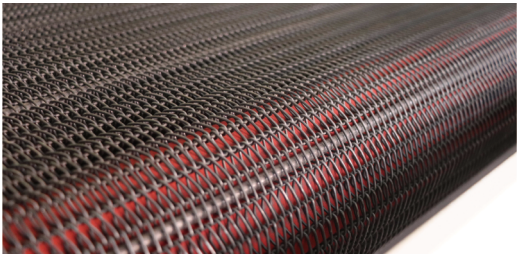


# 自动送料激光切割机系列

## Auto-Feeding Laser Cutting Machine Series



 人字型网带自动送料激光切割机  
Laser cutting machine with auto-feeding conveyor



**人字形链条网带：**  
配合链条使用，减少网带跑偏的几率，整体平整度较高，网带牢固，抗拉强度高。

Conveyor features : Good edge control, keep flat moving, strong cnveyor and stable;

 山字型网带自动送料激光切割机  
E Type Conveyor Auto-feeding Laser Cutting Machine



**山字型刀条网带：**采用航空铝材，模具拉制，重量轻、结构稳，不变形、不断裂、不跑偏，平整度好。此网带可逐条更换，随时清洗，方便维护、保养和维修，使用寿命长，稳定性强，使用成本低，支持长时间连续疲劳作业。

Epsilon-type aluminum conveyor enjoy light weight, stable structure, no distortion, good flatness. Easy for maintenance and replacement piece by piece. It enjoys long lifetime, high stability and low cost.

上盖内缩，收料不停机，效率高；加工区和收料区分开，安全性高。

The upper cover shrinks inside. Collection does not need to stop the machine . The efficiency is high. The processing zoneis separated from the receiving area and the safety is high.

产品技术亮点

Features

- ◆可选配电动双头互移，可以实现自动分头加工；
- ◆可选配小幅面摄像、画笔、大幅面摄像及投影等功能；
- ◆网带标配山字型网带，可选配人字型网带；
- ◆山字型网带可选配前、后同步压料装置，确保送料精准，支持多层送料；
- ◆自动送料系统，双激光头之间实现全自动控制调整间距，和传统多头手动调节间距的激光设备相比，大大节省人工及其调机时间；
- ◆自带阵列式排料切割系统，具备单/双数排料切割、边角料排料的智能排版和共边切割等个性化功能，能最大限度地保证材料的充分利用，比传统的机械裁断机节省材料成本15%左右；
- ◆在奇数排列切割时，其中一个切割头自动停止发光，避免破坏已切好的面料，完成整版切割。

- ◆Electric heads(Two) as optional for separate and independent working.
- ◆CCD camera , pen, large-format vision system and projecting functions areoptional for better cutting experience.
- ◆Epsilon type of conveyor as standard , other type conveyor as optional .
- ◆For the epsilon type of conveyor, the front&back presser, as an optional device, can be applied together to ensure the cutting accuracy. Multiple-layer of material feeding is available.
- ◆Auto-feeding and unloading system, the two laser heads distance adjust automatically, save time;
- ◆Nesting software is optional, support mixed nesting, edge-sharing cutting, save material;
- ◆Laser head distance can be adjusted automatically, depending on the nesting result.

产品技术参数		Specification							
型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	激光头 Laser head	网带 Conveyer	工作速度 Speed	电源 Supply voltage	工作环境 Working environment
CMH1610C-FT-A	60~130W	1480×1000mm	2210×2120 ×1150mm	850kg	双	山字形网带	0~18m/min	AC220V±10%	温度Temp: 5~40℃ 湿度Humidity: 5~80% 无凝结,无灰尘 或灰尘较少 Clean,less dust
CMH1810C-FT-A		1680×1000mm	2410×2120 ×1150mm	950kg		人字形网带			

\* 以上部分机型可选配电动头、小幅面摄像、大幅面摄像及投影对位功能，具体可详询;  
Some of the above models can be equipped with electric head, small format camera, large format camera and projection alignment function, please inquire for details;  
\* 以上工作幅面为单头有效切割幅面，多头幅面以实际为准;  
The above working format is a single-head effective cutting format, and the multi-head format is subject to actual conditions;


适用材料

Material


主要用于棉、麻、皮料、纸张、化纤等各种纺织服装面料。  
Cotton, linen, leather, paper, chemical fiber.

经典应用展示


The Samples




服装布料切割  
Skirt hollowing




拖鞋开料  
Slipper cutting




皮鞋开料  
Upper vamp hollowing




布鞋开料  
Cloth shoes laser cutting




毛领切割  
Hair collar cutting



家纺布艺镂空  
Hollowing - out of home textile fabric



玩具布料切割  
Toy cloth cutting



手套开料  
Glove cutting



## 通用激光切割机系列

### Universal Laser Cutting Machine Series



扫码看视频

#### 产品技术亮点

#### Features

- ◆“升级版”机器在机身上集成了各类辅机电源，统一控制，所有把手和门锁都采用人体工学设计，机背巨大的辅机储备箱设计，使客户现场辅机摆放更合理，完全符合6S管理要求；
- ◆自主研发的SmartCarve软件和运动控制器，采用高速插补运动算法实现机器的高速和平稳运行；
- ◆支持以太网(10/100M)和USB2.0的传输，USB最大传输速率为12M，最长距离为5m；
- ◆支持动态显示加工轨迹及坐标点、加工进度的实时显示和跟踪；
- ◆支持断电续雕、工时预览功能，且工时预览可以精确到毫秒级；
- ◆软件支持光斑大小轨迹补偿，可在软件上设计路径优化方案；
- ◆模块化的设计，可满足多种配置搭配，小幅面等结构优化将大大降低包装运输成本。

#### 适用材料

#### Material

主要用于木制品，纸张，皮革，布料，有机玻璃，环氧树脂，亚克力，毛料，塑料，橡胶，竹制品，服装面料，皮具，手机辅料，不干胶，服装烫钻，塑胶水口，手机保护膜，玉器等非金属材料。  
Nonmetallic material like wood, paper, epoxy resin, acrylic, plastic, rubber and bamboo, etc.

- ◆The "upgrade version" machine integrates various auxiliary machine power supplies on the fuselage, unified control, all handles and door locks are ergonomically designed, and the huge auxiliary machine reserve box design on the back of the machine makes the customer's on-site auxiliary machine placement more reasonable, fully meet the 6S management requirements;
- ◆Equipped with YM Laser self-developed Smart Carve software and controller, adopts high-speed Interpolation movement algorithm to achieve high-speed and stable performance;
- ◆Support Ethernet(10/100M) and USB2.0 transmission;
- ◆Support dynamic display which will show process path and coordinate point, real-time work track display;
- ◆Support work time preview and interruptible engraving recovery after power-off;
- ◆Support laser spot compensation (inward contraction and outward extension), the laser cutting Path optimization can be done on software.
- ◆Modular design can be equipped with different functions which make smaller size and less shipping cost.



#### 产品技术参数

#### Specification

型号 Model	激光功率 Laser power	激光头 Laser head	工作速度 Speed	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	电源 Supply voltage	工作环境 Working environment
CMH0604-B-A	60~180W 视情况而定 As appropriate	单 Single	0~30m/min	600×400mm	1900×1060×1100mm	260kg	AC 220~240V 50/60Hz	温度Temp: 5~40℃ 湿度Humidity: 5~80% 无凝结,无灰尘 或灰尘较少 Clean,less dust
CMH1008-B-A				1000×800mm	2020×1580×1100mm	340kg		
CMH1206-B-A				1200×600mm	1970×1380×1100mm	340kg		
CMH1309-B-A				1300×900mm	1900×1700×1100mm	380kg		
CMH1610-B-A				1600×1000mm	2220×1780×1100mm	410kg		
CMH1612-B-A				1600×1200mm	2220×2230×1100mm	510kg		
CMH1008-T-A		双 Double		900×800mm	2020×1580×1100mm	345kg		
CMH1206-T-A				1100×600mm	1970×1380×1100mm	345kg		
CMH1309-T-A				1200×900mm	1900×1700×1100mm	385kg		
CMH1610-T-A				1500×1000mm	2220×1780×1100mm	410kg		
CMH1612-T-A				1500×1200mm	2220×2230×1100mm	515kg		
CMH1612-Q-A				四 Four	1300×1200mm	2220×2230×1100mm		

\* 以上部分机型可选配电动头、小幅面摄像、大幅面摄像及投影对位功能，具体可详询；  
Some of the above models can be equipped with electric head, small format camera, large format camera and projection alignment function, please inquire for details;  
\* 以上工作幅面为单头有效切割幅面，多头幅面以实际为准；  
The above working format is a single-head effective cutting format, and the multi-head format is subject to actual conditions;

#### 经典应用展示

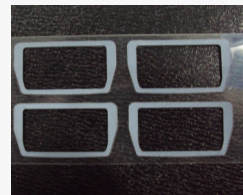
#### The Samples



双色板雕刻切割  
Double color plate engraving



水晶字切割  
Acrylic characters cutting



手机辅料切割  
Phone accessories cutting



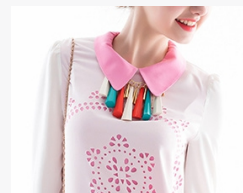
皮革鼠标垫切割  
Leather mouse pad cutting



模型切割  
Model cutting



鞋面镂空打孔  
Vamp punching



服装面料切割  
Garment fabric cutting



无缝压胶半切  
Seamless pressure half cutting

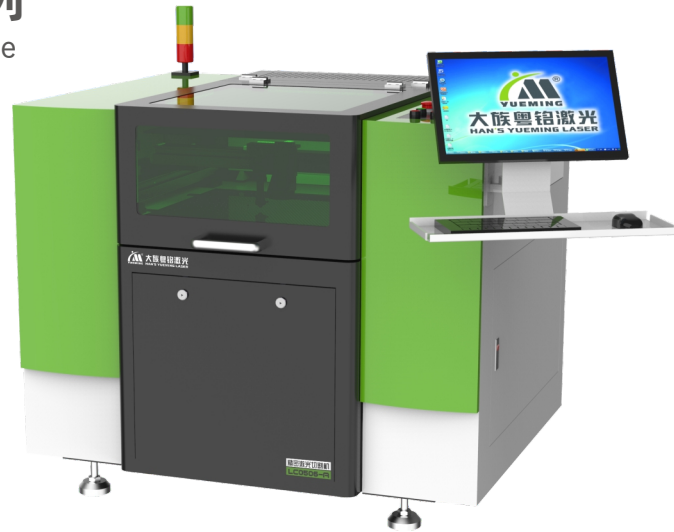




## CO<sub>2</sub>精密激光切割机系列 CO<sub>2</sub> Precision Laser Cutting Machine



扫码看视频



### 产品技术亮点 Features

- ◆高动态刚性机床系统，确保高速、高精度切割；
- ◆采用龙门双伺服驱动结构，高惯量伺服电机，最大加速度为0.5G；
- ◆进口激光器及光学器件，光斑质量好，输出功率稳定，使用维护成本低；
- ◆自主开发的激光切割软件，集优异运动控制的性能及强大的图形处理的功能于一体；
- ◆专用排烟系统，强力吸烟及有效隔离废料，做到符合国家环保要求的室内低污染排放。

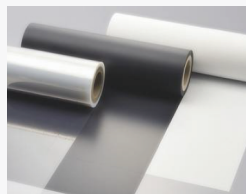
### 产品技术参数 Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	最大空移速度 Maximum airspeed	重复定位精度 Repeated positioning accuracy	设备功率 Gross power	总质量(主机) Weight	电源 Supply voltage
LC0506-A	30~100W	600×500mm	1320×1100×1200mm	1000mm/s	±0.02mm	4kW	200kg	220V/50Hz

### 适用材料 Material

主要用于gdf膜、偏光片、触摸屏PET、OCA、电子纸、手写板、柔性oled等非金属薄膜材料的高精度切割,及标签、布料、广告、包装品、贺卡等材料切割。  
This machine is designed for the non-metal material cutting, such as materials requiring high cutting precision, the gdf film, Polarizer, PET for touch screen, OCA, electronic paper, hand-writing board, flexible OLED. Labels, fabrics, advertising materials, packaging materials as well as greeting cards can be applied too.

### 经典应用展示 The Samples



PET切割  
PET cutting



标签切割  
Label cutting



包装盒切割  
Packing box cutting



偏光片切割  
Polarizer cutting



## 灯罩专用激光切割机系列 Lampshade Laser Cutter



扫码看视频



### 产品技术亮点

- ◆采用梯形丝杆运动系统，调节水平切割头的X,Z向位置；
- ◆采用双头水平出光，配合旋转工作台的匀速旋转，对产品进行预设切割；
- ◆采用激光管数显电流表及锁定电流开关，简单、准确设置切割光强；
- ◆旋转工作台配备多种卡口夹具，以对应吹塑产品的定位。

### Features

- ◆T type lead screw ball motion system to adjust X,Z direction positions of the horizontal cutting head;
- ◆Horizontal laser cutting by double heads, matching the uniformly rotating worktable to cut the preset cutting of products;
- ◆Use laser digital display ammeter and locking current switch, it is simple and accurate to set the cutting light intensity;
- ◆The rotating worktable is equipped with a variety of clamping tools to correspond to the positioning of blow molding products.

### 产品技术参数 Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	总质量(主机) Weight	空移速度 Airspeed	重复定位精度 Repeated positioning accuracy	传动系统 Transmission system	设备功率 Gross power	电源 Supply voltage	工作环境 Working environment
CMA130-R-A	130W	620×600mm	1900×1020×1800mm	< 485kg	200r/min	±0.05mm	梯形丝杆 Trapezoidal screw	2.2kW	220V/50Hz	温度:5~45℃ 湿度:5~80% 无凝结 Temp:5~45℃ Humidity:5~80% Clean

### 适用材料 Material

主要用于对CO<sub>2</sub>激光吸收特性好的材料，应用于吹塑行业：如亚克力，PC等多种塑料材质旋转体的设定线速度的切割。  
Mainly used for co<sub>2</sub> laser absorption characteristics of materials, used in blow molding industry: such as acrylic, PC and other plastic material.

### 经典应用展示 The Samples



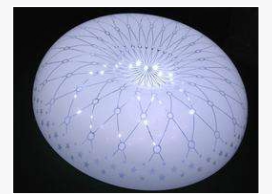
PC灯罩切割  
PC lampshade



多种塑料灯罩切割  
Various plastic lampshade



室外灯罩切割  
Outdoor lampshade



亚克力灯罩切割  
Acrylic lampshade



## 激光雕刻机系列 Laser Engraving Machine Series



扫码看视频



### 产品技术亮点

- ◆体积小、节省生产空间、降低占地成本；
- ◆自主研发高性能控制主板，界面友好的软件操作，可支持DXF、AI、PLT、DST、DSB等图形格式；
- ◆高精度直线导轨，步进电机驱动，配合轻巧的激光头快带运动；
- ◆环保的排烟系统，高效除尘，降低环境污染；
- ◆有效工作幅面400\*300mm，整体体积小、雕刻精度高，主要适用于印章、名片、礼品、贺卡等个性化的精细加工。

### Features

- ◆Small size occupation;
- ◆High-performance controller, support DXF, AI, PLT, DST, DSB graphic formats;
- ◆High precision linear guide rail and stepping motor, equipped with light laser head quick motion;
- ◆Fume exhaustion system guarantees clean work environment.
- ◆The effective working width is 400\*300mm, the overall volume is small, and the engraving precision is high. It is mainly suitable for individualized fine processing such as seals, business cards, gifts, greeting cards, etc.

### 产品技术参数 Specification

型号 Model	激光功率 Laser power	激光头 Laser head	工作幅面 Working area	外形尺寸 Overall dimension	工作速度 Speed	整机重量 Weight	电源 Supply voltage	工作环境 Working environment
CMA4030B	40W	单 Single	400×300mm	860×640×460mm	0~18m/min	76kg	AC220V±10%	温度Temp:5~40°C 湿度Humidity:5~80% 无凝结,无灰尘或灰尘较少 Clean, less dust

### 适用材料 Material

主要用于木制品、纸张、塑料、亚克力、橡胶、玉石等非金属材料。  
Nonmetallic material like rubber, plastic, acrylic, ceramic, crystal, wood, bamboo, and paper etc.

### 经典应用展示 The Samples



双色板人像雕刻  
Portrait engraving



剪纸刻字  
Paper cutting



贺卡雕刻  
Card engraving



水晶石、亚克力雕刻  
Crystal&acrylic engraving



塑料板人像雕刻  
Plastic engraving



铭牌雕刻  
Nameplate engraving



首饰盒雕刻  
Jewelry box carving



大理石雕刻  
Marble carving



## 激光切割机系列 Laser Cutting Machine



扫码查看详情



### 产品技术亮点 Features

- ◆丝杆运动模组结构采用品牌伺服电机，高惯量、大力矩，确保设备高速、高精度运转；
- ◆采用丝杆运动切割，为现场作业大幅提高加工效率；
- ◆蜂窝底板工作台/刀条工作台，可根据切割材料选配；
- ◆高刚性钣金折弯焊接机身，配与大族粤铭自主研发的运动系统，确保机器运行平稳；
- ◆国产优质激光管，光斑质量好，输出功率稳定，同时可兼容55W射频激光器。

- ◆The screw motion module structure uses famous servo motor with high inertia and high torque to ensure machine high speed and high precision;
- ◆The screw motion can greatly improve processing efficiency;
- ◆Honeycomb working table and blade solid strip working table are optional for different material;
- ◆High-rigidity machine body of sheet metal bending and welding, equipped with self-developed system from Han's Yueming can ensure the machine runs smoothly;
- ◆Famous domestic laser tube with high-quality optical spot and stable power. It is compatible with 55W RF laser generator as well.

### 产品技术参数 Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	工作速度 Speed	重复定位精度 Repeated positioning accuracy	传动系统 Transmission system	设备功率 Gross power	电源 Supply voltage	工作环境 Working environment
CMA0604-G-A	60~130W	600×400mm	1530×1046×1070mm	0~30m/min	±0.05mm	丝杆模组 Screw module	1.5kW	220V/50Hz	温度Temp: 5~40°C 湿度Humidity: 5~80% 无凝结Clean
CMA1008-G-A		1000×800mm	1820×1495×1190mm				1.7kW		

### 适用材料 Material

主要用于电子行业 手机辅料 电子辅料等非金属切割。  
Electronic industry mobile phone accessories electronic accessories and other non-metal cutting.

### 经典应用展示 The Samples



ITO导电薄膜切割  
ITO conductive film cutting



音响装饰布切割  
Acoustic fabric cutting



琥珀表盘切割  
Amber dial cutting



手机外套切割  
Phone case cutting



## 非金属板材激光切割裁床系列 Non-metal Plate Laser Cutting Machine Series



扫码看视频



CMA1325C-B-A 激光切割机  
CMA1325C-B-A Laser Cutting Machine

高动态步进电机和高精度直线导轨，具有很高的动态响应性能和高负载能力(可选配摄像切割功能)。

High dynamic stepper motor and high precision linear guide rail have high dynamic response performance and high load capacity(Camera positioning function is optional).



CMA1325C-G-H 激光切割机  
CMA1325C-G-H Laser Cutting Machine

全齿轮齿条运动结构，在实现板材的高精度切割的同时，有效保证了设备在高速运行时的稳定性。

Rack & pinion motion structure, while realizing the high precision cutting, effectively ensures the stability of he equipment in high speed operation.



CMH1325C-G-A 激光切割机  
CMH1325C-G-A Laser Cutting Machine

滚珠丝杆+伺服电机传动系统，具备高精度、高稳定性等特点。

High dynamic servo motor and high precision linear guide rail have high dynamic response performance and high load capacity(Camera positioning function is optional).

### 产品技术亮点 Features

- ◆加强型焊接床身，大型龙门精铣加工，经退火处理并振动时效消除应力，形变公差在 $\pm 0.02\text{mm}$ 内；
- ◆横梁结构采用高强度铝合金，较传统的钢架横梁具有重量轻、共振小、运行更平滑等优势；
- ◆非常适合密度板、亚克力等多种材料的整张板材切割。

- ◆Machine body is made of reinforced welding frame,  $600^{\circ}\text{C}$  heat treatment and vibration aging to do stress release and then under finishing milling to get high stability and to keep the deformation tolerance within  $\pm 0.02\text{mm}$ ;
- ◆High strength aluminum alloy is adopted for the beam structure to ensure faster and smoother running;
- ◆Support MDF, acrylics and the other materials cutting.

### 产品技术参数 Specification

型号 Model	CMA1325C-B-A	CMA1325C-G-H	型号 Model	CMH1325C-G-A
激光功率 Laser power	80~180W	130~350W	激光功率 Laser power	130~300W
工作幅面 Working area	1300×2500mm	1300×2500mm	工作幅面 Working area	1300×2500mm
定位精度 Positioning accuracy	$\pm 0.1\text{mm}/1000$	$\pm 0.05\text{mm}/1000$	定位精度 Positioning accuracy	$\pm 0.2\text{mm}/1000$
重复定位精度 Repeated positioning accuracy	$\pm 0.05\text{mm}/1000$	$\pm 0.03\text{mm}/1000$	最大空移速度 Maximum moving speed	100mm/s
工作速度 Speed	18m/min	30m/min	设备功率 Gross power	6kW (含辅机)
外形尺寸 Overall dimension	3530×1850×1150mm	3850×2190×1200mm	外形尺寸 Overall dimension	3630×2000×1220mm
整机重量 Weight	600kg	1800kg	整机重量 Weight	680kg
电源 Supply voltage	220V/50Hz	220V 辅机Auxiliary machine:380V/50Hz	电源 Supply voltage	220V/50Hz
工作环境 Working environment	温度Temp:5~40°C 湿度Humidity:5~80% 无凝结,无灰尘或灰尘较少Clean,less dust	温度Temp:5~40°C 湿度Humidity:5~80% 无凝结,无灰尘或灰尘较少Clean,less dust	工作环境 Working environment	温度Temp:5~40°C 湿度Humidity:5~80% 无凝结Clean

### 适用材料 Material

主要用于木板材、木夹板、中密度板、亚克力板等大幅面非金属板材开料、裁切。  
Non-metal materials such as acrylics, wood, MDF.

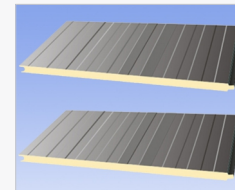
### 经典应用展示 The Samples



有机玻璃字切割  
Plexiglass word cutting



有机板材切割  
Organic plate cutting



复合板材切割  
Composite plate cutting



木板切割  
Solid wood cutting

光纤激光打标机系列

Fiber Laser Marking Machine Series



标准版光纤激光打标机  
Standard edition fiber laser marking machine



高配版光纤激光打标机  
High-end version fiber laser marking machine



工作台（选配）  
Working table (optional)

分体式光纤激光打标机  
Split type fiber laser marking machin

- 产品技术亮点Features
- ◆光纤激光器 采用高品质光源，光斑质量好，光功率密度均匀，输出光功率稳定，具有无漏光、抗高反等特点，满足主流的市场应用需求；

◆大族粤铭自主品牌的数字式高速扫描振镜 体积小，速度快，稳定性好，性能达到国际先进水平；

◆控制系统功能强大，能根据不同工艺作多种数据优化处理，支持多国语言一键切换，支持多达256个颜色图层管 理等功能，满足市场大部分行业的应用工艺需求；

◆开模压铸制造升降架，内置直线导轨，结构稳定，设计简洁。

◆High quality fiber generator, good quality spot, optical power density uniform, stable output optical power, meets the application demand of mainstream market;

◆Han's Yueming self-developed digital high-speed galvanometer scanner, small size, high speed and excellent stability; the performance reaches the international advanced level;

◆Powerful control system, optimizes the processing data according to various application, supports multi language switch, and up to 256 color layer management functions, meets the application requirements of most industries;

◆Die-casting mold manufacturing lifting frame, stable structure, built-in linear guide, simple design.

产品技术参数Specification

型号 Model	MF-E-A 标准版 MF-E-A standard edition	MF-E-D 高配版 MF-E-D high-end version	MF-A-A 分体式 MF-A-A split type
功能特点 Features	350*350mm打标工作台，均匀布置孔位，方便安装不同工件定位。 350*350mm marking table, uniform installing holes, suitable for different workpieces positioning.	具有增强型机架和双红光辅助对焦功能。采用大理石平台，有效提高产品定位和稳定性。双红光对焦系统，配备电动升降架，轻松实现产品快速对焦，有效提高生产效率。 Enhanced frame and auxiliary focusing function. This machine adopts the marble platform which effectively improves the product positioning accuracy and stability. Meanwhile, equipped with the double red light focusing system, electric lifting frame, easy to achieve the rapid focusing, improve the production efficiency and reduce the operator's workload.	分体式机架设计，灵活性高，适用于不同形状的大型、重型工件的打标，也可配合用户现场的流水线进行在线打标。 Split frame design, high flexibility, suitable for different shapes of the workpieces marking, also can match the production line marking.
激光功率 Laser power	20/ 30 / 50 / 70 / 100 / 120W		
工作幅面 Working area	70×70 / 110×110 / 175×175 / 200×200 / 300×300 / 400×400mm		
升降高度 Lifting height	500mm(可选optional 800mm)		500~1200mm
最小线宽 Minimum line width	0.03mm		
最小字符 Minimum character	0.2mm		
支持图文格式 Graphic format supported	BMP,PLT,AI,DXF, etc.		
电源 Supply voltage	AC220V±10%,50Hz/60Hz		
外形尺寸 Overall dimension	600×750×1400mm	600×750×1400mm	主机(host): 650×750×820mm 升降架(Lifter): 500×700×1500mm 三维平台(3D): 550×450×700mm
整机重量 Weight	80kg	100kg	150kg
工作环境 Working environment	温度 (Temp): 10~35℃, 湿度 (Humidity) : 5~85%, 无凝水,无灰尘或灰尘较少 Clean,less dust		
总功率 Total power	1kW		

适用材料Material

主要用于大部分塑胶及不锈钢、氧化铝、铜等各种合金材料表面打标。  
Plastics, Stainless steel, and other metal materials surface marking.

经典应用展示The Samples



首饰打标  
Jewelry marking




开关打标  
Switch marking



金属打标  
Metal marking



彩色标志打标  
colorful marking on mirror SS



电池打标  
Battery marking



充电器打标  
Cellphone power adapter marking



电子元件打标  
Electron and cell marking



氧化铝打黑  
Alumina marking





## 导光板专用激光打点机系列

### Light Guide Plate Laser Dotting Machine Series

#### 产品技术亮点 Features

- ◆采用原装进口CO<sub>2</sub> 激光器，光斑质量好，输出光功率稳定，光功率密度均匀；
- ◆配备性能优良的原装进口自动调焦三轴动态扫描系统，整个系统结构紧凑、坚固耐用，防尘效果较好、能便捷的进行精准安装、抗干扰能力强，确保了系统在长期工作状态下能高速且稳定的运行；
- ◆外光路传输系统的扩束镜及反射镜均为原装进口，整形效果好，透过及反射率高，光衰极小，稳定性高，确保加工网点分布及大小均匀一致；
- ◆大理石平台，配有高压旋涡气泵，确保亚克力原材料在平台上吸附平整，有效克服加工原材料的表面不平带来的不良隐患；
- ◆优良的封闭式设计和流体力学设计，使人体免于受激光辐射影响，也使加工粉尘有效清除，真正做到环保与安全；
- ◆配备自主研发专业导光板设计软件，可进行任意大小和任意形状的导光板图形网点设计，操作简单实用，数据处理极快。也可兼容GTools导光板专用设计软件，处理速度快,加工效率高，光照度强；
- ◆无需拼接，一次性完成300\*300mm/300\*600mm/600\*600mm/600\*1200mm/1200\*1200mm不同幅面导光板的制作。

- ◆Rofin CO<sub>2</sub> laser generator with high quality spot and stable power output;
- ◆High quality triaxial automatic focus scanner, compact structure, durable and free of dust, anti-interference and easy to do precision installation, ensuring extensively high speed and stable working;
- ◆Reliable and high quality beam expander and reflector with lower light attenuation, guarantee stable laser processing with identical layout and size.
- ◆Vacuum table and vortex air pump ensure flat work platform for processing material;
- ◆Superior enclosed and hydromechanics design protects users from radiation, free of dust, very environmental and safety;
- ◆Self-owned professional design software for guide light plate, easy operation, quick data processing with any shape or size design, as well as compatible with GTools software, quick speed, high efficiency and strong lighting;
- ◆No need of splicing, processing on light guide plate in the size of 300\*300mm/300\*600mm/600\*600mm/600\*1200mm/1200\*1200mm etc.

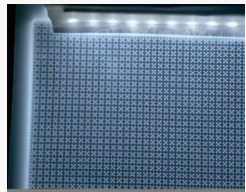
#### 产品技术参数 Specification

型号 Model	工作幅面 Working area	激光功率 Weight	最小线宽 Minimum line width	最小点 Minimum character	工作速度 Speed	外形尺寸 Overall dimension	整机重量 Weight	总功率 Gross power	电源 Supply voltage	工作环境 Working environment
MC-DLG-D	1200×1200mm	250/350W	0.5mm 视幅面而定 Depending on the format	0.3mm	0~15000 mm/s	1700×2670 ×2430mm	≤1200kg	≤12.5kW	AC220V±10%, AC380V±10%, 50Hz/60Hz	温度Temp:5~40℃ 湿度Humidity:5~85% 无凝结,无灰尘或灰尘较少 Clean,less dust

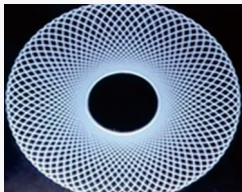
#### 适用材料 Material

主要用于LED平面灯、指示牌、X光阅片灯箱等亚克力/导光板等非金属材料。  
Nonmetallic materials like acrylic etc.

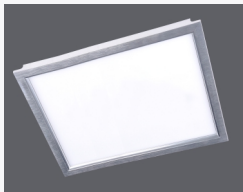
#### 经典应用展示 The Samples



导光板打点  
Light guide plate dotting



异形导光板打点  
Shape light guide plate dotting



平板灯打点  
Flat light RBI



LED灯箱打点  
LED lamp dotting



## 便携式光纤激光打标机系列

### Desktop Fiber Laser Marker Series

#### 产品技术亮点 Features

- ◆高度集成化设计，有效减小了整机体积，并能保证175mm\*175mm的加工幅面，兼容旋转装置；
- ◆配置电动升降和双红光定焦系统，实现了设备在加工过程中的快速调焦和准确定位，操作简单，有效提高加工的精度和速度；
- ◆全封闭式防护设计，有效防止激光辐射及加工过程中产生的烟尘污染，配置观察窗和开门保护开关，整体设计全符合CE安全认证标准；
- ◆采用高品质光纤激光器和扫描振镜，功率稳定，聚焦光斑细，打标速度快，效果好，效率高，能充分满足客户大批量生产需求；
- ◆打标软件功能强大，可兼容、Coreldraw、Photoshop等软件的文件；支持PLT、Ai、DXF、BMP、JPG等格式，支持SHX、TTF字库以及内置多种单线字体库；支持变量跳号、条形码、二维码打标等。

- ◆Highly integrated design to reduce the overall dimension, 175mm×175mm large marking area, compatible with mini rotation device;
- ◆Electric focusing, double red light locating focus, easy to operate, effectively improve the processing accuracy and speed;
- ◆Fully enclosed design: prevent the laser radiation and smoke & dust pollution; Observation window and opening door protection switch; Conform to CE safety certification standards;
- ◆High quality fiber laser generator and scanning galvanometer: stable laser power, small focusing spot, high marking speed, good marking result, efficiency, suitable for mass production;
- ◆Powerful software: compatible with AutoCAD, CorelDraw, Photoshop, etc.; Support PLT, Ai, DXF, BMP, JPG, etc.; Support SHX, TTF character and various single built-in font library; Support variable number, barcode, 2D barcode, serial port and network communication, scanning gun marking, etc.

#### 产品技术参数 Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	工作速度 Speed	整机重量 Weight	总功率 Gross power	电源 Supply voltage	工作环境 Working environment
MF-P-C	20/30/50W	110×110mm 175×175mm	560×600×540mm	0~7000 /mms	60kg	< 0.6kW	AC220V±10%, 50Hz/60Hz	温度Temp:10~35℃ 湿度Humidity:5~85% 无凝结,无灰尘或灰尘较少 Clean,less dust

#### 适用材料 Material

主要用于大部分塑料及不锈钢、氧化铝、铜等各种合金材料表面打标。  
Plastics, Stainless steel, and other metal materials surface marking.

#### 经典应用展示 The Samples



工艺品个性打标  
Metal accessories marking



金属/PVC名片打标  
Metal /PVC business card marking



首饰打标  
Jewelry marking



不锈钢餐具打标  
Marking of stainless steel tableware

## 视觉激光打标机系列 Fiber Laser Maker Vision Series



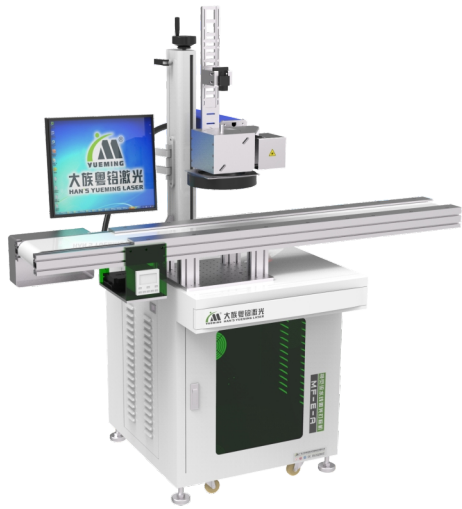
扫码看视频



MF-V-A 双视觉激光打标机  
Dual-vision Laser Marking Machine



扫码看视频



MF-E-A 流水线视觉激光打标机  
Online Vision Laser Marking Machine



扫码看视频



MF-M-A 同轴视觉打标机  
Fiber Laser Maker Vision Series

### 产品技术亮点 Features

- ◆采用工业级激光器、高速数字振镜，性能稳定；
- ◆自主研发控制打标软件，维护方便，易操作；
- ◆自主研发强大视觉功能，实现视觉匹配定位、视觉轮廓提边等功能加工；
- ◆自主研发外同轴视觉系统，使摄像区域与打标区域同框，大大提高视觉范围和精度；
- ◆不同应用场景模块设计，自由组合，方便生产工艺需求；
- ◆双视觉系统设计，产品位置寻找加工二次定位，提高上料及加工效率；
- ◆根据精度需求可配置步进、伺服电机；

- ◆Adopts high-speed galvo scanner with stable performance;
- ◆Self-developed laser marking software, easy for maintenance and operation;
- ◆Self-developed powerful vision function, to achieve visual matching positioning and visual contour getting processing;
- ◆Self-developed external coaxial vision system, auto-matching camera area and marking area, highly improve the vision working area and accuracy;
- ◆Module design for different application scenarios, free combination, easy for production;
- ◆Dual vision system design, product positioning, secondary positioning for processing, improving loading and processing efficiency;
- ◆Servo motor and step motor optional for moving platform.

### 产品技术参数 Specification

型号 Model	MF-V-A	MF-E-A	MF-M-A
功能特点 Features	高精度X/Y运动模组，双视觉系统设计，双工位加工区，实现加工过程上下料，提高设备加工效率 High-precision X/Y motion module, dual vision system design, dual-station processing area, online loading and unloading process, more efficient	模块化流水线部件，步进送料，放料更容易 Modular components, step motor feeding system, easy for loading	高精度X/Y运动模组，实现大幅面产品精细加工和载具式多产品定位加工 High-precision X/Y motion module design for large workpiece or multiple-jig positioning processing
激光功率 Laser power	20 / 30 / 50 / 70 / 100 / 120W		
工作幅面 Working area	110×110 / 175×175mm		
升降高度 Lifting height	100~500mm(可选optional 800mm)		
最小线宽 Minimum line width	0.03mm		
最小字符 Minimum character	0.2mm		
支持图文格式 Graphic format supported	BMP,PLT,AI,DXF, etc.		
电源 Supply voltage	AC220V±10%,50Hz/60Hz		
外形尺寸 Overall dimension	1650×1350×1950mm	1500×750×1450mm	770×1070×1600mm
CCD视觉范围 CCD visual range	600×600/120×120mm	120×120mm	120×120mm
相机像素 Camera pixel	2000		
整机重量 Weight	400kg	100kg	230kg
工作环境 Working environment	温度 (Temp): 10~35℃, 湿度 (Humidity) : 5~85%, 无凝水,无灰尘或灰尘较少 Clean,less dust		
总功率 Total power	2kW	1kW	2kW

### 适用材料 Material

主要用于大部分塑料及不锈钢、氧化铝、铜等各种合金材料表面打标。  
Plastics, Stainless steel, and other metal materials surface marking.

### 经典应用展示 The Samples



充电器打标  
Cellphone power adapter marking



不锈钢打标  
Stainless steel marking



电器元件打标  
Electronic component marking



轴承打标  
Bearing marking

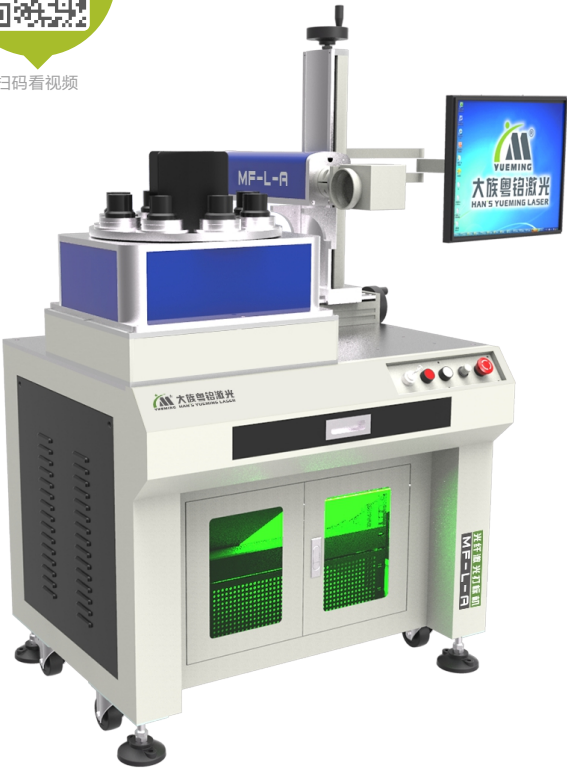


# 八工位激光打标机系列

## 8 Position Laser Marker for Bulb Series



扫码看视频



MF-L-A 单头八工位激光打标机  
Single Head 8 Position Laser Marker for Bulb



扫码看视频



MF-L-B 双头八工位激光打标机  
Double Head 8 Position Laser Marker for Bulb

### 产品技术亮点

### Features

- ◆光纤激光器采用高品质光源，光斑质量好，光功率密度均匀，输出光功率稳定，满足主流的市场应用需求；
- ◆大族粤铭自主品牌的数字式高速扫描振镜 体积小，速度快，稳定性好，性能达到国际先进水平；
- ◆自主研发控制系统SmartScanner功能强大，性能优良，操作简便。软件系统长时间保持免费维护及升级，亦可根据客户的特殊要求进行修改和定制；
- ◆分割四头8工位旋转转盘，既可实现多工位自动旋转切换，也可实现每个小夹头的旋转打标，在打标的同时可进行人工上下料，有效提升加工效率；
- ◆配置适合球泡灯灯座固定的专用夹具，也可定制其他不同规格尺寸夹具，以贴近用户生产现场工艺应用的需求。

- ◆Adopted fiber laser generator with high-quality light source, good quality light spot, and stable output power, to meet the demands of main market requirement;
- ◆High-speed digital scanning galvanometer with characteristics of small size, high speed, stable signal transmission etc.; self-owned brand and performance can reach international advanced level;
- ◆Self-developed control software-Smartscanner, with high performance, easy to operate. Offering long-term service on maintenance, upgrade software for free; and able to be customized;
- ◆The 8-station rotary table can realize multi-station automatic rotating and switching. It can also realize the rotating and marking of each small clamping head. Loading and unloading the material at the same time down to improve the processing efficiency;
- ◆Equipped with professional holder suitable for the bulb's foundation, can be customized to meet the requirement of different size and production line.

### 产品技术参数

### Specification

型号 Model	MF-L-A	MF-L-B
功能特点 Features	八工位工作区配多维旋转，满足灯泡360°打标需求；XY移动平台区可满足普通平面打标需求。 Equipped with multidimensional rotation in 8 position working area, realize marking from 360 degrees on bulb; XY movable table, marking on flat surface.	自动旋转4*2工位工作台，同时对两个灯头进行打标，实现加工现场的半自动化生产。 Two 4-position table with auto rotation can mark on two bulb at same time, realize semi-automatic in production site.
激光功率 Laser power	20/ 30 / 50W	
加工面积 Working area	110×110mm	
高度方向可调距离 Up-down adjustable distance	0~500mm	0~200mm
前后方向可调距离 Left-right adjustable distance	0~100mm	0~200mm
最小线宽 Minimum line width	0.02mm	
最小字符 Minimum character	0.2mm	
支持图文格式 Graphic format supported	BMP,PLT,AI,DXF, etc.	
电源 Supply voltage	AC220V±10%,50Hz/60Hz	
外形尺寸 Overall dimension	1100×870×1530mm	900×1070×1300mm
整机重量 Weight	180kg	260kg
工作环境 Working environment	温度 (Temp): 10~35℃ , 湿度 (Humidity) : 5~85%, 无凝水,无灰尘或灰尘较少 Clean,less dust	
总功率 Total power	1.5kW	2kW

### 适用材料

### Material

主要用于生铁、不锈钢、铝合金、锌合金、铜、镀镍、镀锌、氧化铝、塑料（PVC/PC/PU）、ABS料、环氧树脂等。  
Iron, stainless steel, aluminum alloy, zinc alloy, copper, nickel, zinc, alumina, plastic (PVC / PC / PU), ABS material, epoxy resin etc.

### 经典应用展示

### The Samples



球泡灯打标(E14)  
Bulb marking-E14



球泡灯打标(E14)  
Bulb marking-E14



灯杯打标(GU10)  
Light cup marking-GU10



灯杯打标(GU10)  
Light cup marking-GU10



球泡灯打标(E27)  
Bulb marking-E27



球泡灯打标(E27)  
Bulb marking-E27



灯杯打标(GU16)  
Light cup marking-GU16

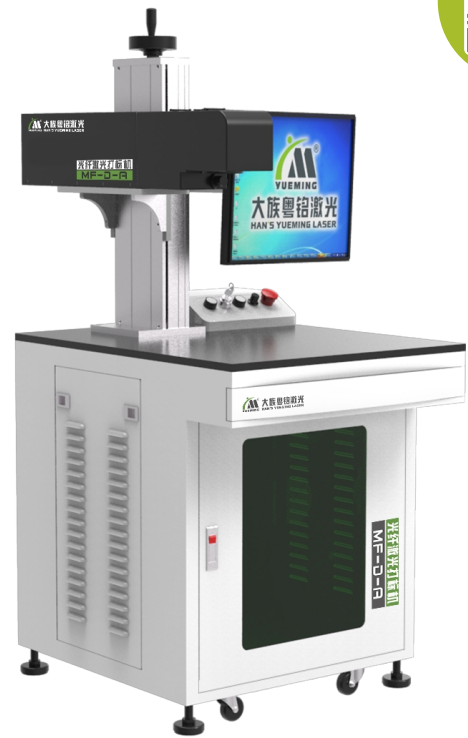


灯杯打标(GU16)  
Light cup marking-GU16



## 3D激光打标机系列

### 3D Laser Marking Machine Series



扫码看视频



工作台（选配）  
Working table (optional)



MF-D-A 3D光纤激光打标机  
3D Triaxial Dynamic Fiber Laser Marking Machine Series



MUV-D-A 3D紫外激光打标机  
3D UV Laser Marking Machine Series

#### 产品技术亮点 Features

- ◆具备三维曲面立体打标功能，保证在0~150mm高度范围内聚焦光斑精细，打标效果一致；
- ◆具备大幅面打标功能，最大打标幅面达600mm\*600mm，突破传统的打标机打标幅面限制；
- ◆采用先进的数字式三轴动态聚焦技术，打标速度快，变焦控制实时性高，聚焦光斑均匀；
- ◆模块化设计，兼容国内以及国际上主流的激光器，产品适应性强；
- ◆采用大理石工作平台，具备良好的抗震性以及抗应力性，平面度好，稳定性高；
- ◆软件功能强大，可导入主流三维设计软件输出的图形，并能进行简单的三维图形编辑，具备二维图形转三维功能，操作简单方便。

- ◆It can mark on 3D curved surface, generate precise laser spot and have uniform marking quality within the scope of 0~100mm height;
- ◆Equipped with the large-format marking function and the maximum marking area can reach 600\*600mm, which is much bigger than traditional fiber laser marker;
- ◆Adopted with advanced triaxial digital galvanometer scanner, it can realize fast marking, real-time control of variable focal length and uniform laser spot;
- ◆Modular design, compatible for the majority of domestic and foreign fiber laser generators and well-adapted;
- ◆Marble platform adopted, improve the stabilization and anti-seismic property of the whole machine;
- ◆The marking software can import chart exported from the mainstream 3D software, manage 3D graphics edit with simple way and convert 2D graphics to 3D, easy operation.



#### 产品技术参数 Specification

型号 Model	MF-D-A	MUV-D-A
功能特点 Features	具备三维曲面立体打标功能，保证在0~150mm高度范围内聚焦光斑精细，打标效果一致。 It can mark on 3D curved surface, generate precise laser spot and have uniform marking quality within the scope of 0~100mm height.	适用材料广，弥补目前广泛采用的红外激光标记加工效果不佳的缺陷。 The application are widely used to make up for the defects of the infrared laser marking process.
激光功率 Laser power	20 / 30 / 50W	3 / 5W
工作幅面 Working area	200×200×80mm / 600×600×150mm	100×100×40mm / 200×200×80mm
工作速度 Speed	0~7000mm/s	
电源 Supply voltage	AC220V±10%,50Hz	AC220V±10%,50Hz/60Hz
外形尺寸 Overall dimension	主机(host): 950×520×1450mm 工作台(workbench): 600×500×720mm	
整机重量 Weight	120kg	250kg
工作环境 Working environment	温度 Temp: 10~35℃, 湿度 Humidity : 5~85%, 无凝水,无灰尘或灰尘较少(Clean,less dust)	
总功率 Total power	1kW	< 0.8kW

#### 适用材料 Material

主要用于塑料、木制品、橡胶、PVC、生铁、不锈钢、铝镁合金、锌合金、铜、镀镍、镀锌、氧化铝、金、银等。  
Plastic, steel, rubber, pvc, stainless steel, aluminum-magnesium alloy, zinc alloy, copper, nickel plating, zinc plating, alumina, gold, silver etc.

#### 经典应用展示 The Samples



汽车零件打标  
Marking of automobile parts



LED灯管打标  
LED tube surface marking



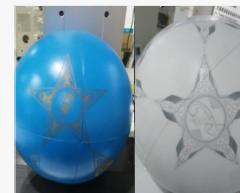
继电器打标  
Electrical marking



五金配件打标  
Hardware accessories marking



水杯3D曲面打标  
3D surface marking of water cup



足球3D曲面打标  
Soccer 3D surface marking



鸡蛋3D曲面打标  
Egg 3D surface marking



鼠标3D曲面打标  
Mouse 3D surface marking



# 全防护多工位光纤激光打标机系列

Full Protection Multi-position optical fiber Laser Marking Machine Series



### 产品技术亮点

- ◆采用多工位分度盘工作方式，可配2/4等工位，适应不同产品要求，并且实现激光打标和上下料操作同时进行，极大提高工作效率；
- ◆打标区域全封闭式环保设计，安全可靠；
- ◆采用电动升降调焦，简便高效，并且可与机械手配套上下料，实现自动化生产需求；
- ◆聚焦光斑小，适用材料广，可实现各种材料超精细打标；
- ◆核心器件采用国外进口配置，性能优良，质量稳定，使用寿命长；
- ◆采用集成式设计，集机器硬件、控制系统与工作平台于一体，占地面积小，整机操作方便；
- ◆自主研发的打标控制软件，功能强大，界面友好，操作简洁快速，易学易用。

### Features

- ◆The rotary worktable can be 2 or 4 stations, suitable for various products, High efficiency for loading & unloading and laser marking at the same time;
- ◆Full enclosed working area, safe and reliable;
- ◆Machine equips with motorized lifting system to achieve autofocus, easy for operation, and can cooperate with robot for loading and unloading to achieve automation production;
- ◆Fine laser spot, applied to various materials, and make prefect marking quality;
- ◆Imported core parts, good performance, long term stable running;
- ◆Small space occupation, easy for operation;
- ◆Self-developed control software, friendly HMI, easy for operation.

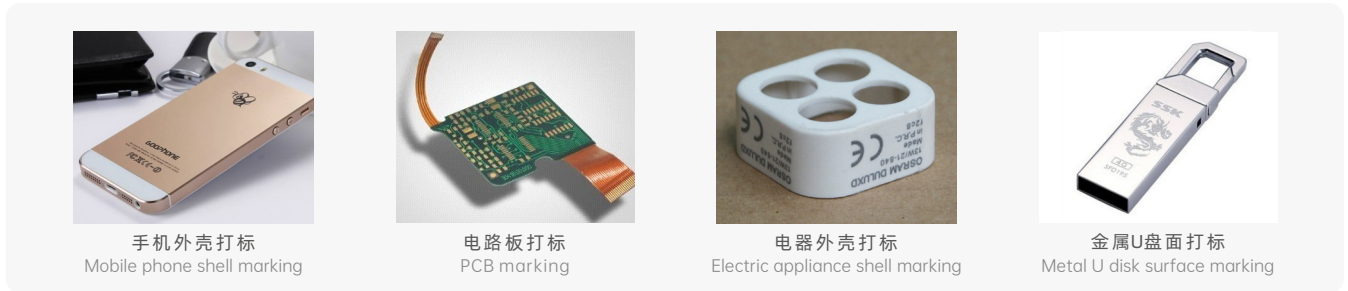
### 产品技术参数 Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	工作速度 Speed	整机重量 Weight	设备功率 Gross power	电源 Supply voltage	工作环境 Working environment
MF-E-B	20/30/ 50/100W	110×110mm 200×200mm 300×300mm	950×1450×1750mm	0~7000mm/s	200kg	1.5kW 不含辅机 auxiliary machine excluded	AC220±10% 50/60Hz	温度Temp: 15~30℃ 湿度Humidity: 5~85% 无凝结,无灰尘 或灰尘较少 Clean,less dust

### 适用材料 Material

主要用于大部分塑料及不锈钢、氧化铝、铜等各种合金材料表面打标。  
Plastics, stainless steel, Alumina and other metal materials surface marking.

### 经典应用展示 The Samples



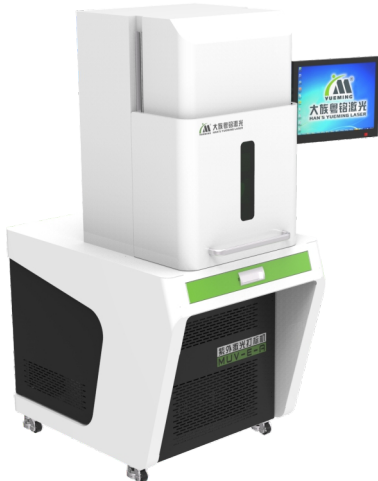
# 紫外激光打标机系列

UV Laser Marking Machine Series

标准版紫外激光打标机  
Standard UV laser marking machine



标准版紫外激光打标机(带防护罩)  
Standard UV laser marking machine(protective cover)



### 产品技术亮点

### Features

- ◆采用进口紫光激光器，光束质量高，聚焦光斑小，超精细打标，清晰度高；
- ◆热影响区域极小，避免被加工材料变形、损伤或烧焦，成品率高；
- ◆适用材料广，弥补目前广泛采用的红外激光标记加工效果不佳的缺陷；
- ◆采用数字式高速扫描振镜，体积小，速度快，稳定性极好；
- ◆整机性能稳定，功耗低；
- ◆可选封闭防护设计，有效防止紫外辐射、危害人体健康。

- ◆Equip with imported UV laser generator to guarantee high-quality laser beam, smaller laser spot, hyperfine marking, and high definition;
- ◆Extremely small heat-affected zone, almost no thermal effect on the material, which prevents materials from deformation, damage or burning;
- ◆Suitable for large range of material than infrared laser;
- ◆Imported high speed digital scanning galvanometer enjoys compact volume, high speed and superior stability;
- ◆The whole machine has stable performance and low power consumption;
- ◆The totally enclosed protection design can effectively prevent ultraviolet radiation which endangers human health.

### 产品技术参数 Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	最小线宽 Minimum line width	最小字符 Minimum character	工作速度 Speed	总功率 Gross power	电源 Supply voltage	工作环境 Working environment
MUV-E-A	3/5W	100×100mm 200×200mm	650×1000 ×1500mm	200kg	≤0.02mm	0.1mm	0~7000mm/s	1.5kW	220V 50Hz, 10A	温度Temp: 15~35℃ 湿度Humidity: 5~85% 无凝结,无灰尘 或灰尘较少 Clean,less dust

### 适用材料 Material

主要用于PVC、塑料、皮革、金属、玻璃、液晶屏、薄片陶瓷、单晶硅片、IC晶粒、蓝宝石等材料的精细打标，常用电子行业的精密打标。  
Suitable for fine marking of PVC ,plastics, leather, metal, glass, LCD screen, thin ceramic, monocrystalline silicon wafer, IC grain, sapphire, etc. It is popular for precise marking of electronics industry.

### 经典应用展示 The Samples



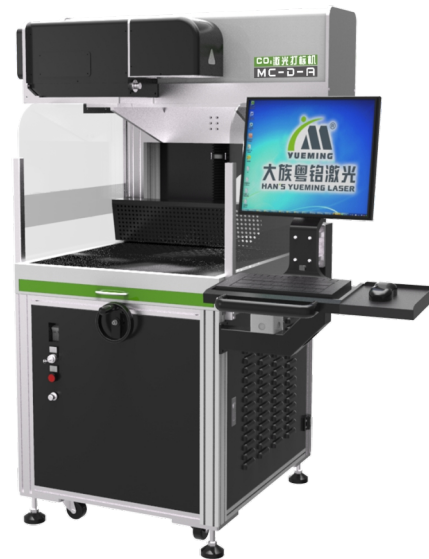


## CO<sub>2</sub>三轴动态激光打标机系列

CO<sub>2</sub> Triaxial Dynamic Laser Marking Machine Series



扫码看视频



MC-D-A 经济版三轴动态CO<sub>2</sub>激光打标机  
Economic three axis dynamic CO<sub>2</sub> laser marking machine



扫码看视频



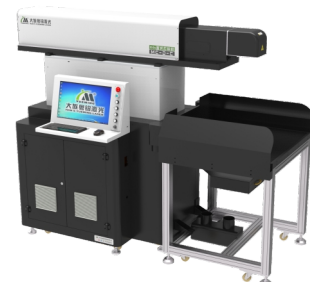
MC-D-B 高配版三轴动态CO<sub>2</sub>激光打标机  
High with three axis dynamic CO<sub>2</sub> laser marking machine



扫码看视频



MC-D-C 标准版三轴动态CO<sub>2</sub>激光打标机  
Standard three axis dynamic CO<sub>2</sub> laser marking machine



### 产品技术亮点 Features

- ◆采用原装进口CO<sub>2</sub> 射频激光器，光斑质量好，光功率密度均匀，输出光功率稳定；
- ◆三轴动态扫描系统，核心器件采用进口配置，操作直观，聚集光斑小，工作范围大，高速灵活，稳定性好；
- ◆光路腔体采用全封闭式双重防尘设计，有效保护激光器及振镜等核心光学器件不受污染，使设备工作更稳定，寿命更长；
- ◆打标头可手动调节升降，最大满足800x800mm的加工幅面；
- ◆机身结构设计紧凑，占地面积小，空间利用率高；
- ◆上下双抽风结构，使加工粉尘有效清除，做到环保与安全；
- ◆配备自主研发的SmartScanner专业控制系统，操作简单实用，资源占用小，数据处理极快。也可兼容导入AutoCAD、CorelDraw等专用制图软件设计的图形，处理速度快，加工效率高。

- ◆Original imported CO<sub>2</sub> RF laser generator, high quality laser spot with uniform power density and stable output power;
- ◆Triaxial dynamic high speed scanning system, imported core component, equipped with digital display focusing function, small gathering spot, large working area, high speed, flexible and good stability;
- ◆The light path cavity adopts sealed dual dustproof design, ensure the laser source, galvanometer and other core optical parts work in a clean environment, make the machine work more stable with longer life;
- ◆The optical bench can be adjusted manually to meet different processing size requirement, largest working area can reach 600\*600mm;
- ◆Aluminum frame, compact structure, smaller area occupation and higher space utilization;
- ◆The upper and lower double suction structures enable the processing dust to be effectively removed so as to achieve environmental protection and safety;
- ◆Smart Scanner professional control system, easy operation, small resource occupation, quick data processing. Compatible with AutoCAD, CorelDraw with high proccession efficiency.

### 产品技术参数 Specification

型号 Model	工作幅面 Working area	外形尺寸 Overall dimension	激光功率 Laser power	工作速度 Speed	最小线宽 Minimum line width	最小字符 Minimum character	总功率 Gross power	整机重量 Weight	电源 Supply voltage	工作环境 Working environment
MC-D-A	300×300mm ~ 600×600mm	1300×1600×1800mm	180W	0~7000 mm/s	0.2mm 视幅面而定 Depending on the format	2mm	6kW	450kg	220-240V 50/60Hz	温度Temp: 15~35°C 湿度Humidity: 5~85% 无凝结,无灰尘 或灰尘较少 Clean,less dust
MC-D-B	300×300mm ~ 800×800mm	1200×1420×2200mm	180/250/350W				6/8/10kW	800kg		
MC-D-C		1300×2200×2200mm	180/250/350W				6/8/9kW	600kg		

### 适用材料 Material

主要用于贺卡、服装辅料、制鞋、皮革、橡胶、木板、竹制品、有机玻璃、瓷砖、塑料、大理石、玉石、水晶、布料等非金属材料。  
Nonmetal material like leather, cloth, wood, bamboo product, organic glass, ceramics, marble,jade, crystal, cloth etc.

### 经典应用展示 The Samples



贺卡打标  
Greeting cards marking



大理石打标  
Marble marking



服装辅料打标  
Garment accessories marking



反光材料打标  
Marking of reflective materials



皮革雕花  
Leather marking and punching



鞋面镂空打孔  
Vamp hollow



装饰木板雕花  
Decorative wood carving



鞋底打标  
Bottom marking of shoes



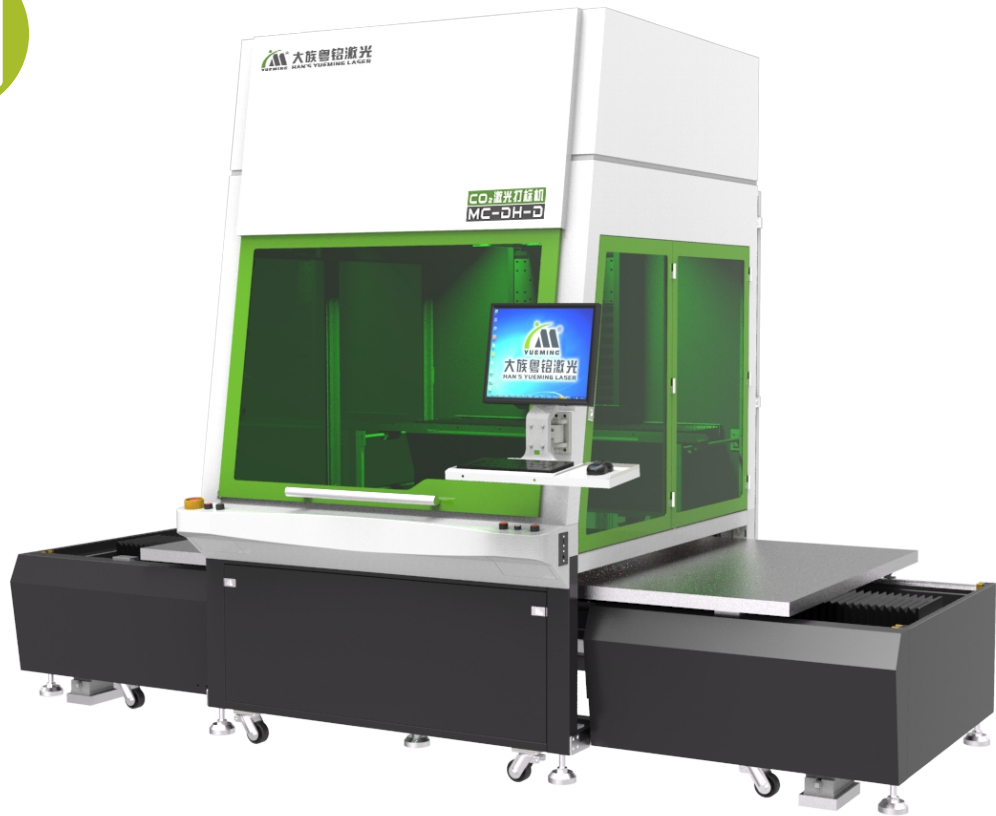


## 高功率三轴动态CO<sub>2</sub>激光打标机系列

Large Format Triaxial Dynamic CO<sub>2</sub> Laser Marking Machine Series



扫码看视频



### 产品技术亮点 Features

- ◆原装进口CO<sub>2</sub> 射频激光器，光斑质量好，激光功率密度均匀，输出激光功率稳定；
- ◆三轴动态打标系统，能进行大范围调整的动态聚焦扫描，对不同扫描范围的动态轴位移量进行自动校准、标定，具有操作快捷灵活的特点；
- ◆打标头电动升降调节(以适合不同的打标幅面)，焦距调节更快速准确；
- ◆光路腔体采用全封闭式双重防尘设计，有效保护激光器及振镜等核心光学器件不受污染，使设备工作更稳定，寿命更长；
- ◆优良的封闭式设计和流体力学设计，使人体免于受激光辐射影响，也使加工粉尘有效清除，真正做到环保与安全；
- ◆使用工业级精密温控激光冷水机，有效保证激光器输出功率稳定；原装进口振镜电机及驱动部件，充分考虑了其散热问题，确保了长期工作状态下的系统稳定性；
- ◆SmartScanner软件功能强大，支持win10操作平台，人性化操作设计，开放的多语言支持；兼容Coreldraw、AutoCAD、PhotoShop等专业作图软件的输出文件；支持plt、dxf、bmp、jpg、ai等格式文件导入；软件操作简单直观，数据处理快速，加工效率更高。

- ◆Original Germany imported CO<sub>2</sub> RF laser generator: good spot quality, uniform laser power density, stable output laser power;
- ◆Triaxial dynamic marking system can carry out the dynamic focusing scanning of large-scale adjustment, and the dynamic shaft displacement of different scanning ranges can be calibrated automatically. Easy and flexible to operate;
- ◆The optical fixture can be adjusted for different kinds of marking area. With measuring scale and LED digital display, the focal length adjustment is more accurate;
- ◆The optical cavity is designed with a dual dustproof design, which protects the core optical devices such as laser generator and galvanometric scanner from pollution, and keeps the equipment more stable and longer life;
- ◆Excellent closed-end design and fluid mechanics design to protect the human body from the laser radiation, also effectively clean the dust, environmental protection and safety;
- ◆Using industrial-grade precision temperature control laser chiller to ensure the output power of the laser is stable. The original imported motor of galvanometric scanner and the drive parts, fully consider its heat dissipation problem and ensure the stability of the system under the long working condition;
- ◆Powerful Smartscanner supports windows xp/win7 operating platform, user-friendly design, multi-language support function; Compatible with CorelDRAW, AutoCAD, Photoshop and other professional software output file; PLT, DXF, BMP, JPG, AI format file; Software operation is simple and intuitive, fast data processing, high processing efficiency.



### 产品技术参数 Specification

型号 Model	MC-D-D 高功率CO <sub>2</sub> 激光打标机 MC-D-D High-power CO <sub>2</sub> Laser Marking Machine	MC-DH-D 移动平台CO <sub>2</sub> 激光打标机 MC-DH-D Laser Marking Machine with shuttle
功能特点 Features	全封闭式防护设计，能支持1200mm*1200mm的打标幅面。 Full enclosed design, Max marking area: 1200mm*1200mm.	全自动交换式的高平整度真空吸附平台，确保原材料在平台上吸附平整，实现激光加工、上料、下料的同步进行。 Fully automatic exchangeable vacuum adsorption platform ensures the raw material is adsorbed on the platform to realize the synchronization of processing, loading, and unloading.
激光功率 Laser power	180/250/350W	
工作幅面 Working area	1200×1200mm	1200×2400mm
升降高度 Lifting height	800~1300mm	
最小线宽 Minimum line width	0.5/0.7mm	
最小字符 Minimum character	2mm	
支持图格式 Graphic format supported	BMP,PLT,AI,DXF, etc.	
电源 Supply voltage	AC220V±10%, AC380V±10%(冷水机 Chiller), 50Hz/60Hz	
外形尺寸 Overall dimension	1700×2670×2430mm	4000×2670×2430mm
整机重量 Weight	700kg	1150kg
工作环境 Working environment	温度 (Temp): 10~35℃, 湿度 (Humidity) : 5~85%, 无凝水,无灰尘或灰尘较少 Clean,less dust	
总功率 Total power	6/14.5kW	

### 适用材料 Material

主要用于天然及人造（化纤）材质的织物面料，真皮及人造革。  
All kinds of textile fabrics , leather, PU, PVC materials.

### 经典应用展示 The Samples



皮革仿真激光印花  
Leather laser making



牛仔布雕花  
Denim engraving



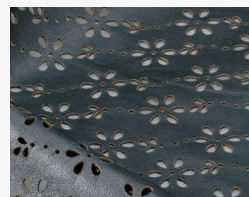
瑜伽垫雕花  
Yoga mat carving



瑜伽垫雕花  
Yoga mat carving



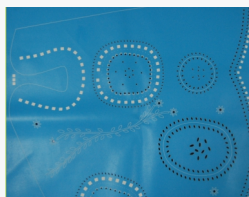
窗帘雕花  
Curtain carving



大幅面皮革雕花  
Leather laser carving



大幅面皮革雕花  
Leather laser carving



大幅面皮革雕花  
Leather laser carving



## 全防护紫外激光打标机系列

Full Protection UV Laser Marking Machine Series

MUV-B-A全防护紫外激光打标机  
Full protection UV laser marking machine



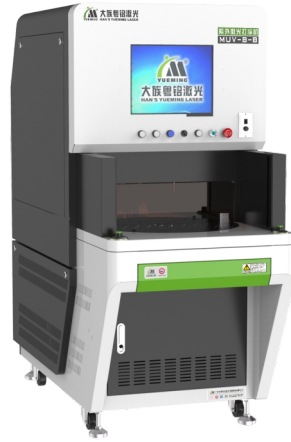
扫码看视频



MUV-B-B多工位紫外激光打标机  
Multi-station UV laser marking machine



扫码看视频



### 产品技术亮点 Features

- ◆采用多工位分度盘工作方式，可配2/4等工位，适应不同产品要求，并且实现激光打标和上下料操作同时进行，极大提高工作效率；
- ◆打标区域全封闭式环保设计，安全可靠；
- ◆采用电动升降调焦，简便高效，并且可与机械手配套上下料，实现自动化生产需求；
- ◆聚焦光斑小，适用材料广，可实现各种材料超精细打标；
- ◆核心器件采用国外进口配置，性能优良，质量稳定，使用寿命长；
- ◆采用集成式设计，集机器硬件、控制系统与工作平台于一体，占地面积小，整机操作方便；
- ◆自主研发的打标控制软件，功能强大，界面友好，操作简洁快速，易学易用。

- ◆The rotary worktable can be 2 or 4 stations, suitable for various products, High efficiency for loading & unloading and laser marking at the same time;
- ◆Full enclosed working area, safe and reliable;
- ◆Machine equips with motorized lifting system to achieve autofocus, easy for operation, and can cooperate with robot for loading and unloading to achieve automation production;
- ◆Fine laser spot, applied to various materials, and make prefect marking quality;
- ◆Imported core parts, good performance, long term stable running;
- ◆Small space occupation, easy for operation;
- ◆Self-developed control software, friendly HMI, easy for operation.

### 产品技术参数 Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	重复定位精度 Repeated positioning accuracy	工作速度 Speed	总功率 Gross power	电源 Supply voltage	工作环境 Working environment
MUV-B-A	3/5/10/15W	100×100mm	750×1200×1950mm	250kg	±0.005mm	0~8000mm/s	1.6kW	AC220±10% 50/60Hz	温度Temp: 15~35℃ 湿度Humidity: 5~85% 无凝结,无灰尘 或灰尘较少 Clean,less dust
MUV-B-B		150×150mm 200×200mm	820×1600×1800mm	300kg		0~7000mm/s			

### 适用材料 Material

主要用于大部分塑料及不锈钢、氧化铝、铜等各种合金材料表面打标。  
Plastics, stainless steel, Alumina and other metal materials surface marking.

### 经典应用展示 The Samples



手机外壳打标  
Mobile phone shell marking



吹风机打标  
Hair dryer marking



电器外壳打标  
Charger marking



陶瓷打标  
Ceramic marking



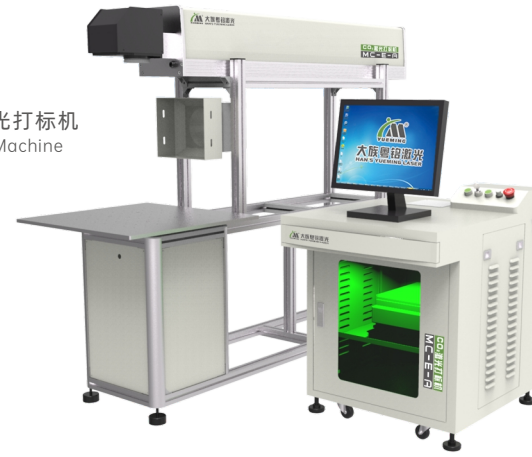
## CO<sub>2</sub>激光打标机系列

Co<sub>2</sub> Laser Marking Machine Series

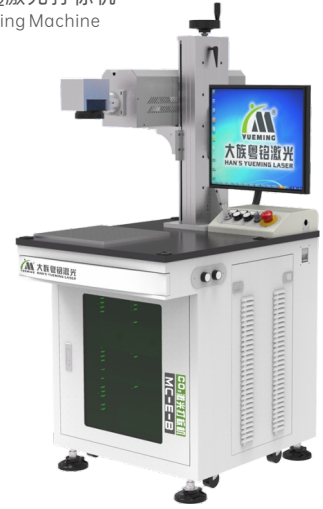
MC-E-A CO<sub>2</sub>激光打标机  
CO<sub>2</sub> Laser Marking Machine



扫码看视频



MC-E-B CO<sub>2</sub>激光打标机  
Co<sub>2</sub> Laser Marking Machine



### 产品技术亮点 Features

- ◆采用射频激光器，光斑质量好，光功率密度均匀，输出光功率稳定，满足主流的市场应用需求；
- ◆数字式高速扫描振镜，速度快，稳定性极好，性能达到国际先进水平；
- ◆控制主板及上位软件能根据不同工艺作多种数据优化处理，支持多国语言一键切换，支持多达256个颜色图层 管理等功能，满足市场大部分行业的应用工艺需求；
- ◆分体式机架，独立操作台，结构设计紧凑，摆放自由灵活，有效节省用户生产现场的空间；
- ◆光路系统采用双层密封结构，防止粉尘进入光路腔体，提高核心器件的使用寿命与使用效率。

- ◆Adopts laser generator with good quality laser beam, uniform laser power density and stable laser power output which can meet the demand of most industry application in market;
- ◆Digital high speed scanning galvanometer, fast speed, stable quality and performance can reach international advanced level;
- ◆Core Controller with completed function and software .The powerful control system can optimize data according to different application, support multiple languages convert and 256 layers management;
- ◆All-in-one frame, independent operation console, compact design, easy to be placed anywhere and save space;
- ◆The inner of the light path system adopts a sleeve type seal structure to prevent dust entering, which improves the life and the efficiency of the core device.

### 产品技术参数 Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	总功率 Gross power	最小线宽 Minimum line width	最小字符 Minimum character	工作速度 Speed	电源 Supply voltage	工作环境 Working environment
MC-E-A	30W	110×110mm	1300×1100×1400mm	141kg	< 1.75kW	0.1mm	1.5mm	0~5000mm/s 0~7000mm/s (选配进口配件) Imported galvanometer	AC220±10% 50Hz/60Hz	温度Temp: 10~35℃ 湿度Humidity: 5~85% 无凝结,无灰尘 或灰尘较少 Clean,less dust
	60W	175×175mm	1300×1100×1400mm	146kg	< 2.05kW					
	100W	300×300mm	1300×1800×1400mm	170kg	5.9kW					
MC-E-B	15/30W	110×110mm 175×175mm	610×900×1500mm	50kg	< 1.2kW					

### 适用材料 Material

主要用于大部分木质材料，塑胶、纸质材料打标。  
Wood, plastic and paper.

### 经典应用展示 The Samples



木制品打标  
Wood products marking



贺卡打标  
Greeting card engraving



皮革打标  
Leather marking



双色板铭牌打标  
Double color plate nameplate marking





## CO<sub>2</sub>商用激光打标机系列

Co<sub>2</sub> Laser Elf



扫码看视频



### 产品技术亮点

- ◆配备自主研发的SmartScanner专业控制系统，兼容AutoCAD、CorelDraw等专业制图软件图形的导入，处理速度快；
- ◆采用人性化极简设计，配以摄像头及多种传感器实现多种智能辅助功能，做到免培训免安装免维护；
- ◆人机界面友好智能，具备远程诊断、升级和维护，具备数据加密与隐私安全保护；
- ◆外观设计简洁大方，占地面积不到1平米，非常适合商业门店或个人家庭使用；
- ◆工作台300×300mm打标幅面，采用按键电动升降，满足250mm产品高度调节；
- ◆内置烟尘净化器，做到符合国家环保要求的室内低污染排放；
- ◆双红光电动调焦定位，支持自动对焦功能；
- ◆具备开门保护与自动控制门锁功能的全封闭外罩，内置烟尘净化器，达到安全的1级防护标准，符合CE及FDA认证要求的设计。

### Features

- ◆Equipped with the self-developed professional control system SmartScanner, it has high processing speed, compatible with professional graphics software such as AutoCAD、CorelDraw,
- ◆Humanized design, equipped with camera and multiple sensors to realize multiple intelligent auxiliary functions, training-free and simple to use;
- ◆Friendly HMI, with remote diagnosis, upgrades and maintenance functions, with data encryption and privacy protection.
- ◆Small floor space, need only less than 1 Sqm, targets for DIY maker or gift shop;
- ◆300\*300mm working area, electronic lifting for 250mm height adjustment;
- ◆Air filter build-in design comply with National Environmental Protection Requirements of indoor low pollution emissions
- ◆Two red pointers for autofocus;
- ◆Fully enclosed cover with sensor protection and automatically control cover lock, air filter build-in, achieving the safe class 1 protection standard and according with CE and FDA certification.

### 产品技术参数 Specification

型号 Model	工作范围 Cutting range	激光功率 Weight	最小线宽 Minimum line width	最小字符 Minimum character	工作速度 Speed	外形尺寸 Overall dimension	整机重量 Weight	电源 Supply voltage	工作环境 Working environment
DMC-B-A	300×300mm	15/30W	0.2mm	2mm	0~12000 mm/s	450×750×1800mm	150kg	110V/220V/50/60Hz	温度Temp:10~35℃ 湿度Humidity:5~85% 无凝结,无灰尘或灰尘较少 Clean,less dust

### 适用材料 Material

主要用于服装、鞋材、工艺品等商用品DIY个性打标。  
This model is recommended to be used in garment, footwear, handicraft for DIY or customized design.

### 经典应用展示 The Samples



木制品雕花  
Wood engraving



贺卡雕花  
Greeting card engraving



鞋面打标  
Upper marking



内衣印花  
Underwear printing

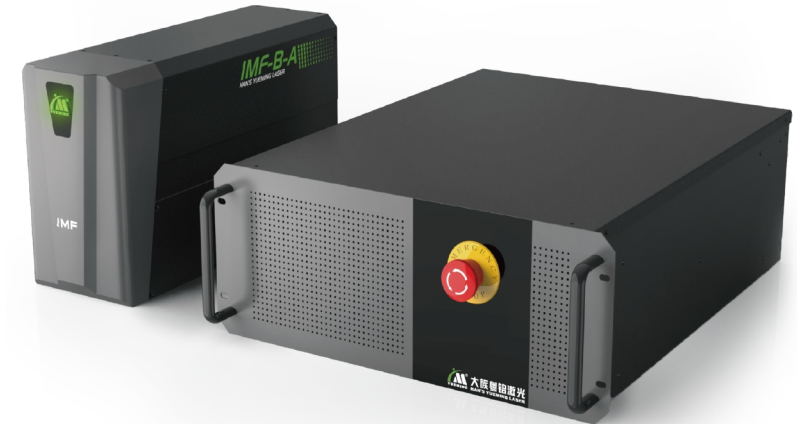


## 智能光纤激光打标机系列

Fiber Laser Marking Machine



扫码看视频



### 产品技术亮点 Features

- ◆采用领先的三轴动态聚焦技术，实现平面及3D曲面的大幅面激光打标；
- ◆设备配有流水线组件，实现产品的在线式飞行打标功能，提高激光加工效率；
- ◆模块化设计，方便拆分运输和转移，部分功能可自由选配，使产品升级和维护更加简单；
- ◆自主研发的打标软件系统，支持多国语言切换、多种图形格式文件导入、支持图形绘制及编辑，功能强大，界面友好，操作简洁快速，易学易用；
- ◆支持智能生产总线对接，包括客户的MES系统、产品追溯系统等。
- ◆The advanced 3-axis dynamic focusing technology is adopted,enabling flat laser marking & large-format 3D marking.
- ◆Streamline components are equipped for the fly marking function on the streamline, improving the working efficiency.
- ◆Module design which is easy to disassemble and assemble for machine position changing. Some functions are on option for product upgrading and easier maintenance.
- ◆Self-developed laser marking system with user-friendly HMI supports multiple language usage, multiple file format input, graphic drawing and editing. Easy to learn and operate.
- ◆Compatible with smart production, such as MES system and product tracking system

### 产品技术参数 Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	平均光斑直径 Average spot diameter	最小字符 Minimum character	打标速度 Speed	总功率 Gross power	电源 Supply voltage	工作环境 Working environment
IMF-B-A	20~50W	200×200×60mm 300×300mm×120mm	32.8um 45.1um	0.3mm	7000mm/s	< 0.5kW	AC220V/50Hz	温度Temp: 5~35℃ 湿度Humidity: ≤80% 无结露Clean

### 适用材料 Material

主要用于汽车、3C电子等高端制造业的2D、3D、深度雕刻及大幅面激光标记应用。  
Suitable for the application of 2D/3D/deep carving/Large-format marking in the high-end industries such as Automobile & 3C,etc.

### 经典应用展示 The Samples



梯形激光打标  
Trapezoidal laser marking



金属汽车配件激光打标  
Auto parts laser Marking



曲面激光打标  
3D Laser marking



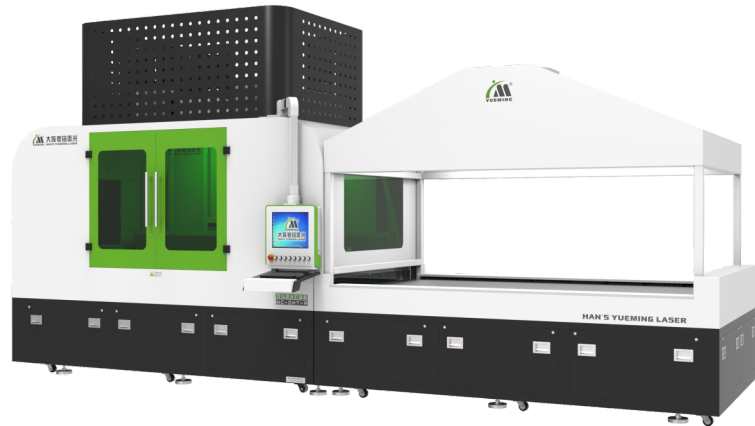
3D激光打标  
3D laser marking



## 大幅面真皮激光打标机系列 Large Surface Leather Laser Marking Machine



扫码看视频



### 产品技术亮点 Features

- ◆全封闭的外观设计，安全、环保，人性化操作平台，方便、简单；
- ◆整体主体机架采用方通钢结构焊接而成，失效处理，整体外观美观大方、稳定性高；
- ◆左右运动工作台采用进口传动部件、导轨及伺服电机组成的运动系统，运行平稳、大大提高拼接精度及稳定性；
- ◆原厂进口二氧化碳激光发生器，光斑质量好，输出功率稳定，核心部件进口，性能稳定、使用寿命长；
- ◆智能独立抄版系统，分辨出异性皮革的瑕疵、漏洞，多余图形分割处理，大大提高了工作效率及工艺效果；
- ◆智能抄版系统实现了物联网识别控制，N台打标机可共用一台抄版机，大大减低了购买成本；
- ◆模块化设计，方便运输，实现部分功能的自由选配及客户不同需求的定制；

- ◆Fully enclosed design, safe, environmental protection, humanized operating platform, convenient, simple to operate;
- ◆The whole body frame is made of welded steel structure, with artificial aging treatment, nice and simple overall appearance, with sound stability;
- ◆The sliding table adopts the motion system composed of imported drive parts, guide rail and servo motor, which runs smoothly and greatly improves the splicing accuracy and stability;
- ◆Imported Co2 laser source, good light spot quality, stable output power; Imported core components, stable performance, long service life;
- ◆Intelligent independent board copy system, distinguish the defect of irregular leather, hole. Redundant graphics segmentation processing greatly improves the efficiency and process effect;
- ◆The intelligent board copy system realizes the identification and control of the Internet of things, and Multiple marking machines can share one board copy machine, greatly reducing the purchase cost;
- ◆Modular design, convenient transportation, the realization of the some functions free selection and customization of different customer needs.

### 产品技术参数 Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	加工效率 Machining efficiency	总功率 Gross power	电源 Supply voltage	工作环境 Working environment
MC-DHT-A	350W×2 600W×2	1400×2700mm	6500×1900×3500mm	2000kg	10~15min/PCS	18kW 24kW	380V,50Hz	温度Temp:20~35°C 湿度Humidity:5~80% 无凝结,无灰尘或灰尘较少 Clean,less dust

### 适用材料 Material

主要用于天然及人造（化纤）材质的织物面料，真皮及人造革。  
All kinds of textile fabrics, leather, PU, PVC materials.

### 经典应用展示 The Samples



大幅面皮革激光雕花  
Leather laser carving



大幅面皮革激光镂空  
Leather laser hollowing out



大幅面皮革激光雕花  
Leather laser carving



大幅面皮革激光雕花  
Leather laser carving



## 大幅面无缝拼接飞行激光印花机系列 Large Format Seamless Splice Laser Fly Marking Series



扫码看视频



### 产品技术亮点 Features

- ◆输送线在运送材料的过程中，控制系统通过对激光器出光的控制、扫描头运动图形的轨迹及输送线运动速度的运算，实现1800mm\*无限长的大幅面飞行追踪激光印花；
- ◆自动收放卷功能：模块化设计的自动化收放卷系统，整个加工过程只需操作人员看管，实现一人多机的工业4.0思想，大大提高产品加工效率；
- ◆纠偏系统：设备在自动收放料的运动过程中，通过纠偏系统对材料运动时产生的偏移进行飞行矫正，实现高精度飞行图形拼接精度；
- ◆计米功能：打标完成后，通过计米器能准确计算出整卷加工材料的长度，整合了量布机的功能，有效减少工厂增加卷材米数造成的利润流失；
- ◆输送网带：采用定制不锈钢冲孔链板输送带配合流体力学分析吸附结构组成的输送系统，吸附力大，运行平稳。

- ◆During the conveyor movement, the control system will control the laser head, camera scanning and conveyor speed to achieve 1800 mm X unlimited length large format fly laser marking;
- ◆Automatic feeding and adjusting/correction Function: Modular design of automatic feeding and adjusting/correction, only need one operator to watch the whole process. One person can operate multi-machines, greatly improve the product processing efficiency;
- ◆Correcting Deviation System: In the process of automatic feeding, correct the deviation of the material during the movement, and realize the precise graphic joining;
- ◆Metering Function: After marking, the meter can accurately calculate the length of the entire processed material, effectively reducing the waste;
- ◆Conveyor: Adsorption structure conveyor composed of stainless steel chains, adsorption force is large and the operation is stable.

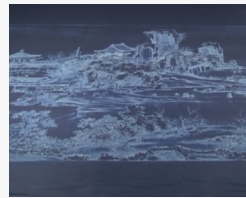
### 产品技术参数 Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	工作速度 Speed	电源 Supply voltage	工作环境 Working environment
MC-DF-A	350/600W	1400~1800mm×无限长 Infinite length	7200×4000×3250mm	1800kg	0~30m/min	380V,50Hz	温度Temp:20~35°C 湿度Humidity:5~80% 无凝结,无灰尘或灰尘较少 Clean,less dust

### 适用材料 Material

主要用于天然及人造（化纤）材质的织物面料、真皮、人造革、地毯及绒布。  
All kinds of textile fabrics, leather, PU, PVC materials.

### 经典应用展示 The Samples



牛仔布印花  
Denim printing



牛仔布印花  
Denim printing



面料布印花  
Fabric printing



皮革雕花  
Leather engraving



牛仔激光洗水机系列

Denim Laser Machine



扫码看视频



产品技术亮点

Features

- ◆安全环保的全封闭的外观设计；人性化操作平台，方便、简单；
  - ◆双交换互动式送料工作台，两组运动系统实现互换式送料，上下料不停机，大大提高设备利用率和工作效率；
  - ◆高性能射频二氧化碳激光发生器，光斑质量好，输出功率稳定，性能稳定、使用寿命长；
  - ◆自主研发投影对位系统，具备投影图像的偏差校正功能，操作简单，对位准确；
  - ◆模块化设计，部分功能可自由选配，也可以根据客户不同需求进行定制与升级服务。
- ◆Fully enclosed design and user-friendly panel, easy to operate;
  - ◆Two independent exchanging interactive feeding units, interchangeable feeding through two motion systems, no-stop of loading and unloading, to improve the utilization and efficiency;
  - ◆High-performance CO2 RF laser generator has higher quality laser spot, stable laser power output and performance, enjoys longer serving life;
  - ◆Self-developed projection system can correct the deviation of projection image, easy for operation and alignment;
  - ◆Modular design and some functions are optional based on customized requirements.

产品技术参数

Specification

型号 Model	激光功率 Laser power	加工幅面 Working area	外形尺寸 Overall dimension	整机重量 Weight	重复定位精度 Repeated positioning accuracy	打标速度 Speed	总功率 Gross power	电源 Supply voltage	工作环境 Working environment
MC-DJ-B	350/600W	1300×600mm (交互式平台) Interactive platform	3130×2100×2840mm	1500kg	±0.5mm	0~7000mm/s	7~12kW	AC380±10% 50/60Hz	温度Temp: 10~30℃ 湿度Humidity: 5~65% 不结露 No condensation
MC-DJ-C	350/600W	1500×1500mm (固定工作台) Fixed workbench	3000×1600×2800mm	1000kg					

适用材料

Material

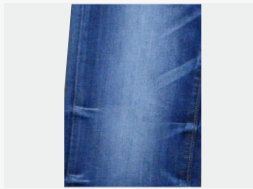
主要用于牛仔皮革。  
For denim leather.

经典应用展示

The Samples



牛仔猫须激光加工  
Denim Laser Processing whisker



牛仔马骝激光加工  
Denim Laser Processing monkey wash



牛仔裤激光镂空  
Denim Laser Processing whisker



激光破洞牛仔裤  
Laser ripped jeans

全自动激光模切机系列

Automatic Laser Die-cutting Machine



扫码看视频



产品技术亮点

Features

- ◆采用原装进口的CO<sub>2</sub>射频激光器，光斑质量好，光功率密度均匀；输出光功率稳定；
  - ◆三轴动态扫描系统，核心器件采用进口配置。操作性直观，聚焦光斑小，工作范围大，高速灵活，稳定性好；
  - ◆光路腔体采用全封闭式双重防尘设计，有效保护激光器及振镜等核心光学器件不受污染，使设备工作更稳定，寿命更长；
  - ◆打标头高度可调节，满足最大600mm\*600mm的加工幅面；
  - ◆上下双抽风系统，使加工粉尘有效清除，做到环保与安全；
  - ◆全自动化覆卷系统采用专业张力控制器及伺服电机组成运动控制系统确保材料收放同步，运行精度小于0.1mm；
  - ◆选配视觉对位及飞行打标功能；
  - ◆配备自主研发的SmartScanner专业控制系统，可兼容导入AutoCAD、CorelDraw等专业制图软件设计的图形，处理速度快，加工效率高。
- ◆Original imported RF metal laser tube, with outstanding beam quality;
  - ◆Dynamic 3-axis galvo system, core parts imported: easy operation, small focus dot size, large working area, high flexibility and good stability;
  - ◆Dual Dust-proof Design for optical cavity, laser source and galvoscaner, ensure long term stable performance;
  - ◆Galvo head is adjustable to match maximum 600\*600mm working area;
  - ◆Dual-extraction design, to fast remove powders during the processing;
  - ◆Automatic roll feeder to ensure the material roll to roll match accuracy close to 0.1mm;
  - ◆Fly marking and vision cut function are optional;
  - ◆Self-developed professional software-SmartScanner, Compatible for AutoCAD and CorelDraw files, high-speed image processing guarantee the high processing efficiency.

产品技术参数

Specification

型号 Model	激光功率 Laser power	工作范围 Cutting range	最小线宽 Minimum line width	最小字符 Minimum character	外形尺寸 Overall dimension	整机重量 Weight	工作速度 Speed	电源 Supply voltage	工作环境 Working environment
FC600-B-A	180/250/350W 可选Optional	300×300mm 600×600mm	0.2mm	2mm	1500×2400×2200mm	650kg	0~7000mm/s	AC220V/10A ±5%	温度Temp:10~30℃ 湿度Humidity:5~85% 无凝结,无灰尘或灰尘较少 Clean,less dust

适用材料

Material

主要用于反光材料、PET等柔性薄膜材料加工。  
Mainly used for bonding film, PET and other flexible film processing.

经典应用展示

The Samples



反光材料切割  
Reflective material cutting



不干胶激光半切  
Flexible reflective material



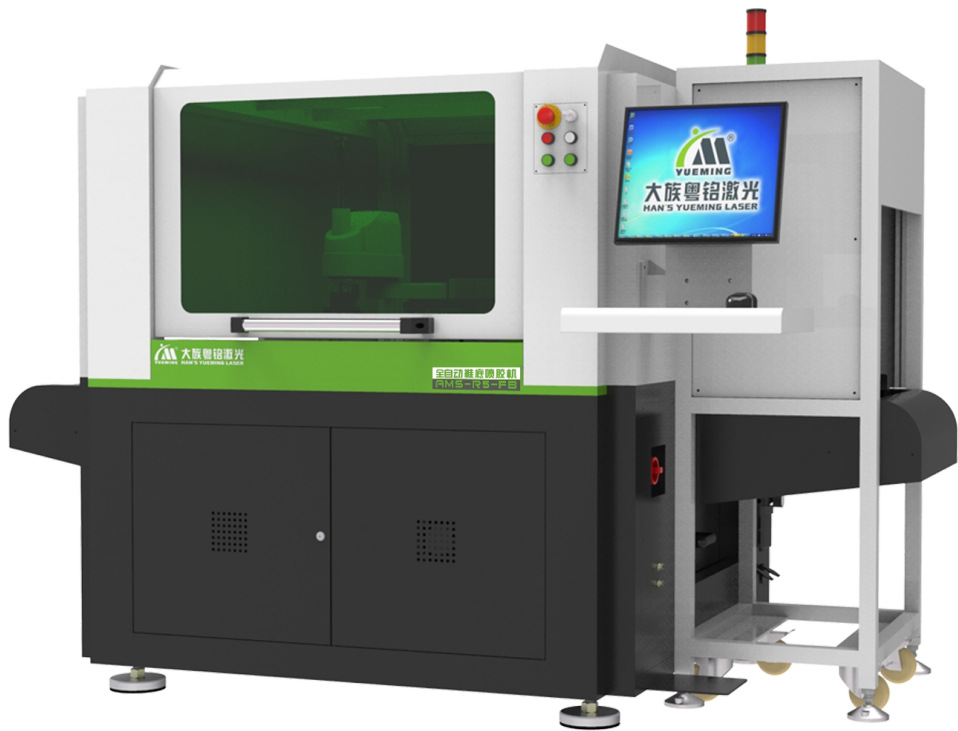
反光材料切割  
Reflective material cutting



反光膜半切  
Reflective film cutting

全自动鞋底喷胶机系列

Automatic Glue Sprayer



- 产品技术亮点Features
- ◆原装进口高精度3D激光扫描系统，精确快速扫描鞋底三维尺寸；

◆自主研发鞋底喷胶软件及专用控制器，能根据鞋底尺寸和喷胶参数自动生成喷胶路径，喷胶路径免编程无需人工干预；

◆软件操作简单，不同尺码或相似鞋底均可使用同一套参数进行智能匹配；

◆两台5轴机器人协同作业，生产效率可达240双/小时；

◆具备紫外检测及胶水激活固化功能，确保喷胶质量；

◆具备喷胶参数设置易学易用、喷头不易堵塞、传送机构积胶易清理等人性化设计；

◆根据生产需求，支持上下料接口自动化功能定制、生产管理功能定制MES系统接口开发定制等功能。

◆Imported high accuracy 3D laser scanning system, fast get sole dimension easily;

◆Self-developed software, automatic glue spraying path according to sole dimension, no need manual operation for this step;

◆Size smart match function available;

◆Units 5-axis robots collaborate, achieve 240 pairs/h productivity;

◆UV detector and glue curing function is used to ensure the glue sprayer quality;


◆User friendly design: easy operation, sprinkler is not easily blocked, wasted glue is easy for cleaning;

◆Loading and unloading is customized, Production management and MES interface available for customization.

应用流程展示Process Show


01鞋底入框  
Sole loading to jig

将需要加工的鞋底放置入口框架  
put the sole in the jig accordingly;




02鞋底数据采集  
Data collection

3D鞋底扫描自动检测轮廓，精确采集尺寸数据  
3D sole contour precise scanning;



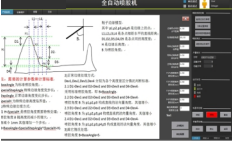
03数据传输  
Data transfer

将扫描后的尺寸数据上传至大族粤铭自主研发鞋底喷胶专用软件  
Scan data will be transferred to the professional Han's Yueming self-developed glue sprayer software.




04免编程软件  
Parameters generating

软件根据扫描数据自动生成各项鞋底喷胶参数  
No need nesting, software will generate the machining parameter according to scan data automatically.




05鞋底喷胶  
Sole glue sprayer

两台精密机械手协同作业，各自负责左右鞋底喷胶  
2 units 5-axis robots collaborate, to work on left & right side separately.

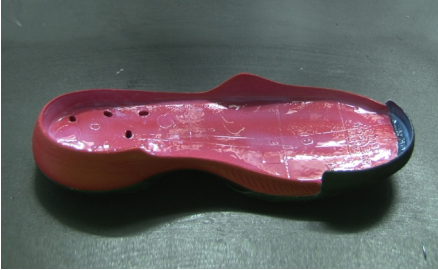



06喷胶完成  
Glue sprayer work done

根据生产需求，可支持上下料接口自动化功能  
Automatic loading & unloading interfaces available according to production requirement.



07喷胶效果展示  
Sample show






产品技术参数Specification

型号 Model	轮廓检测 Contour detection	喷胶循环时间 Spray cycle time	外形尺寸 Overall dimension	传送带速度 Conveyor speed	气源要求 Air supply requirements	整机重量 Weight	总功率 Gross power	电源 Supply voltage	工作环境 Working environment
AMS-R5-FB	3D激光扫描 (3D laser scanning)	<10s/双	2560×1630×1500mm	0~300 /mms	≥0.4MPa	1000kg	3kW	220V/50Hz	温度:0~45℃ 湿度:<80% 无凝结,无灰尘 或灰尘较少 Temp:0~45℃ Humidity:≤80% Clean, less dust

适用材料Material

主要用于制鞋行业中底或大底的喷胶工艺。  
It is mainly used for the spraying process of midsole or outsole in the shoe industry.


经典应用展示The Samples




鞋底喷胶（一）  
Shoe sole spraying (1)



鞋底喷胶（二）  
Shoe sole spraying (2)



鞋底喷胶（三）  
Shoe sole spraying (3)



鞋底喷胶（四）  
Shoe sole spraying (3)





## 激光喷码机系列 Laser Marking Machine Series

CO<sub>2</sub>激光喷码机  
CO<sub>2</sub> Laser Marking Machines



扫码看视频



光纤激光喷码机  
Fiber Laser Marking Machines



扫码看视频



紫外激光喷码机  
UV Laser Marking Machines



扫码看视频



### 产品技术亮点 Features

- ◆性能稳定：采用工业级高性能激光器、高速数字振镜，嵌入式飞行打标控制器，系统集成高，功耗小，结构紧凑，性能稳定；
- ◆操作简便：系统采用触摸屏，人机界面友好，操作简洁快速，容易上手；
- ◆占用空间小：模块化设计，分离式的电源箱与升降架设计，使设备更加灵活，升降架可进行上下、前后、俯仰角度调节，轻松适应不同的生产线；
- ◆支持DXF、PLT矢量和图片格式导入；支持点阵字和TTF字体以及自主开发字体；支持超长打标、管材分段触发和各种格式条形码及二维码飞行打标；支持多种校正方式；支持多种漏打、报警等I/O辅助功能；支持自动生成日期码、时间码和序列号，支持自动跳号等功能。满足不同行业客户需求。

- ◆Stable performance: High speed digital galvo scanner, industrial CO<sub>2</sub> laser source, embedded flying marking controller, high intergradation, more compacted design, less power consumption and stable performance;
- ◆Easy operation: touch screen with friendly HMI, simple and easy operation process;
- ◆Small space: module design, separate cabinet and lifting system, lifter is flexible to adopts Different production lines
- ◆Powerful functions: Support DXF, PLT vector graphics, bitmap fonts, TTF, DIY fonts and photos input, Support extra-long distance marking, tubes segment marking and bar code, QR code fly marking; support multiple correction modes, letter missing alarm; generate date code, time code, serial number, skipping marking automatically, to meet different industries requirement.



### 产品技术参数 Specification

型号 Model	MC-B-A	MF-B-A	MUV-A-A
激光功率 Laser power	15 / 30W	20 / 30 / 50 / 120W	3 / 5 / 10 / 15W
工作幅面 Working area	70×70/110×110/175×175mm	70×70/110×110/175×175mm	100×100/150×150/300×300mm
最小线宽 Minimum line width	0.2mm	0.05mm	0.02mm
最小字符 Minimum character	1.5mm	0.5mm	0.2mm
工作距离 Working distance	120 / 188 / 280mm		
外形尺寸 Overall dimension	180×500×320mm (电控箱Power box) 500×1080×1500mm (升降架Lifter)	450×210×380mm (电控箱Power box) 730×450×1350mm (升降架Lifter)	570×740×1200mm (电控箱Power box) 380×610×1420mm (升降架Lifter)
整机重量 Weight	50kg	40kg	70kg
电源 Supply voltage	AC220V±10%, 50/60Hz		
工作环境 Working environment	温度Temp: 5~35℃, 湿度Humidity: 5~85%, 无凝水,无灰尘或灰尘较少 Clean,less dust		
总功率 Total power	1.0kW	0.8kW	1.6kW

### 适用材料 Material

主要用于包装、食品、药品、化妆品、五金行业。  
Packaging, food, medicine, cosmetics, hardware industry.

### 经典应用展示 The Samples



烟盒打标  
Cigarette package laser marking



食品袋打标  
Food bag marking



无纺布口罩打标  
Mask Marking



铝型材打标  
Aluminum product marking



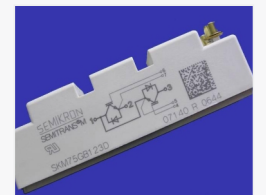
充电器打标  
Charger marking



饮料瓶底打标  
Beverage bottle bottom marking



电线电缆打标  
Wire & Cable marking



电器外壳打标  
Electric appliance housing

## PCB专用激光雕码机系列

### PCB Laser Engraving Machine Series



#### 产品技术亮点

#### Features

- ◆高性能进口CO<sub>2</sub> /紫外激光器，标刻质量好，加工速度快，产能高；
- ◆数字式高速扫描振镜，体积小，速度快，可抵抗较强的电磁干扰及地面振动，稳定性高；
- ◆全封闭式设计机柜及高精密龙门铣加工机床，安全系数、安装基准精度及稳定性高；
- ◆内置翻板机构，实现双面打标，选用高精密滚珠花键，确保翻板机构对基板无应力；
- ◆传动结构采用高精密直线导轨、丝杆组成运动结构，运行稳定、精度高、使用寿命长；
- ◆驱动电机采用进口闭环伺服控制系统，搭载专业运动控制系统，重复定位精度达±0.02mm以内；
- ◆设备操作简单易学，配备SOP操作指引及基板智能拼图功能，可在3-4分钟内实现新材料建档；
- ◆高精度视觉定位配类同轴视觉系统，自动扫码上传，减少运动动作，确保基板高质、高效加工；
- ◆大幅面CCD视觉拼板技术，所见即所得，使图形编辑更简单、直观；
- ◆设备工业4.0智能化设计，可根据需求进行在线和离线式MES系统对接，还可嵌入SMT流水线；
- ◆具备丰富跳号设置、中断工单、插入工单、继续上一工单等丰富功能，满足各类生产需求；
- ◆具备智能防呆、多Mark点定位及自动报告警示功能，以防错加工、误加工，重复雕刻。
- ◆Imported high-performance CO<sub>2</sub>/UV laser source with good marking quality, fast processing speed and high productivity;
- ◆Digital high-speed scanning galvanometer, small size, fast speed, can resist strong electromagnetic interference and ground vibration, high stability;
- ◆Fully enclosed design cabinet and high-precision gantry milling machine, with high safety factor, installation reference accuracy and stability;
- ◆The built-in plate flapping mechanism can realize double-sided marking, and the high-precision ball spline is selected to ensure that the plate flapping mechanism has no stress on the substrate;
- ◆The transmission structure adopts a high-precision linear guide rail and a ball screw to form a motion structure, which is stable in operation, high in accuracy and long in service life;
- ◆The drive motor adopts an imported closed-loop servo control system, equipped with a professional motion control system, and the repeat positioning accuracy is within 0.02mm;
- ◆The operation of the equipment is simple and easy to learn, equipped with SOP operation guidelines and intelligent puzzle function, which can realize the creation of new materials in 3-4 minutes;
- ◆High-precision vision positioning with coaxial vision system, automatic scanning and loading, reducing motion actions, ensuring high-quality and efficient processing;
- ◆Large-format CCD visual puzzle technology, what you see is what you get, making graphic editing easier and more intuitive;
- ◆The intelligent design of the equipment industry 4.0 can connect online and offline MES systems according to the needs, and can also be embedded in the SMT assembly line;
- ◆It has rich functions such as setting skipping numbers, interrupting work orders, inserting work orders, and continuing to the previous work order to meet various production needs;
- ◆Multi-Mark point positioning and automatic report warning function to prevent wrong processing, wrong processing, and repeated engraving.

#### 产品技术参数

#### Specification

型号 Model	PM11-B	PM11R-B	PM12-B
PCB/PCA尺寸 PCB/PCA size	65×50mm~480×510mm	65×50mm~400×450mm	65×50mm~300×300mm
PCB厚度 PCB thickness	0.5~5mm		
雕码尺寸 Code size	2~20mm		
重复定位精度 Repeated positioning accuracy	±0.02mm		
PCBA通过高度 PCBA through height	UP: 25mm DOWN: 25mm		
工作方式 Working mode	在线式/离线式 Online/Offline		
外形尺寸 Overall dimension	1000×1600×1600mm		
整机重量 Weight	1000kg	1000kg	1200kg
电源 Supply voltage	AC220V, 50/60Hz		
工作环境 Working environment	温度Temp: 15~30℃，湿度Humidity: 5~85%，无凝水,无灰尘或灰尘较少 Clean,less dust		
设备功率 Gross power	≤4kW	≤4kW	≤7.5kW

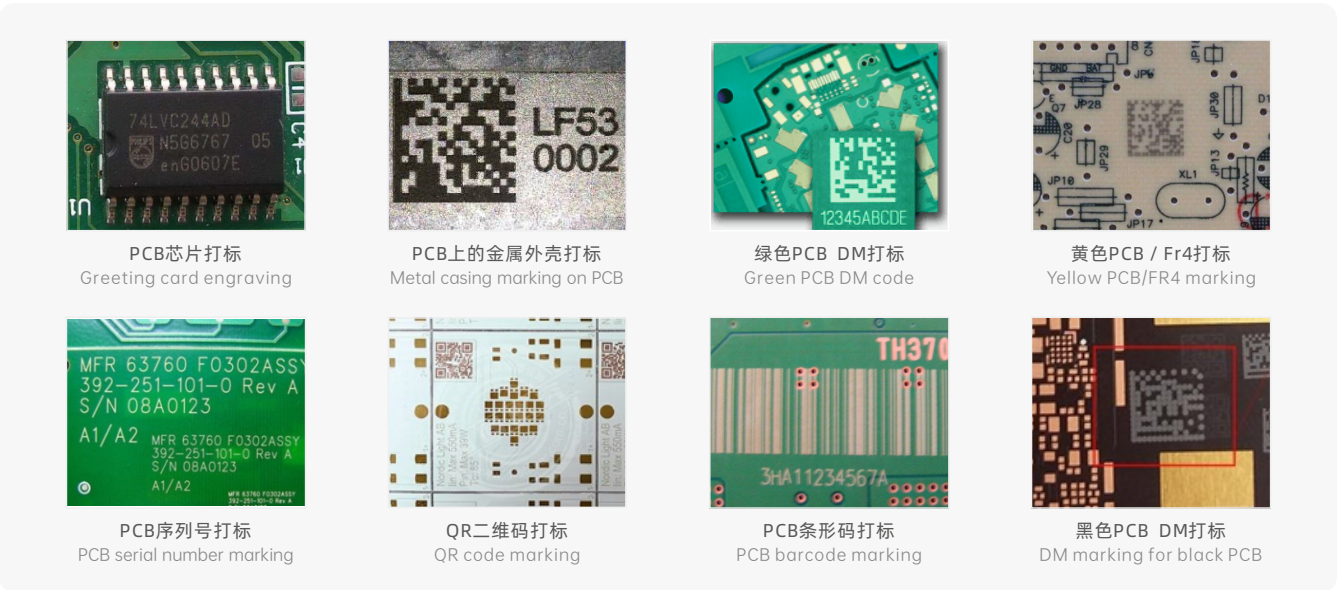
#### 适用材料

#### Material

主要用于PCB/PCBA/FPC/芯片等。  
PCB/PCBA/FPC/ chip, etc.

#### 经典应用展示

#### The Samples



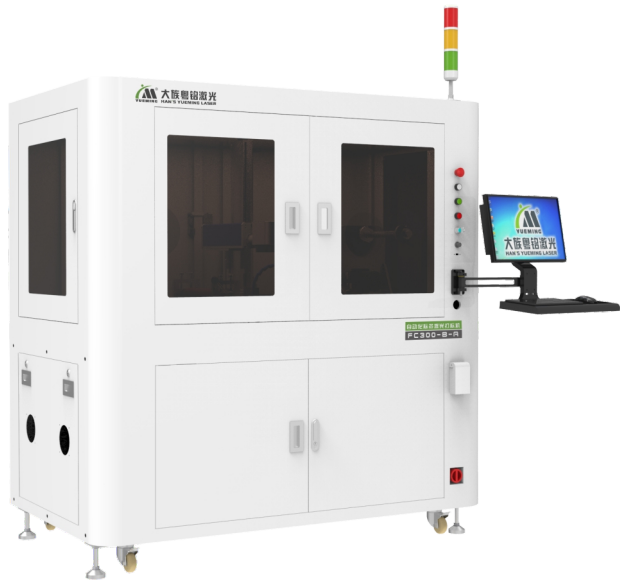


标签激光打标机系列

Label Laser Marking Machine Series



扫码看视频



产品技术亮点

Features

- ◆卷对卷自动上下料，满、缺料自动报警，打标速度可调，长时间运行过程无累计误差，实现产品的自动化加工；
- ◆可增加视觉定位加工和传感器定位加工，不影响加工效率，打标精度可提高至±0.1mm；
- ◆核心器件可选用国外进口配置，性能优良，质量稳定，使用寿命长；
- ◆采用集成式设计，集机器硬件、控制系统与工作平台于一体，占地面积小，整机操作方便；
- ◆自主研发的打标控制软件，功能强大，界面友好，操作简洁快速，易学易用；
- ◆兼容性强：支持DXF、PLT矢量和图片格式导入；支持点阵字和TTF字体以及自主开发字体；支持二维码、图片、字符等各种内容刻划；支持多种振镜校正方式；大大满足不同层次客户需求；
- ◆多类激光光源配置：支持紫外、光纤和CO2等激光光源，适用于金属、PE、布料等各类材料加工。

产品技术参数

Specification

型号 Model	激光功率 Laser power	卷料宽度 Width of the coil	外形尺寸 Overall dimension	整机重量 Weight	工作速度 Speed	总功率 Gross power	电源 Supply voltage	工作环境 Working environment
FC300-B-A	20-50W (Fiber) 3-5W (UV) 30W (CO2)	10~300mm	1450×770×1450mm	300kg	0~7000mm/s	2kW	AC220V/10A ±5%	温度Temp:10~30℃ 湿度Humidity:5~85% 无凝结,无灰尘或灰尘较少 Clean,less dust

适用材料

Material

主要用于大部分塑料及不锈钢、氧化铝、铜等各种合金材料表面打标。  
Plastics,Stainless steel,and other metal materials surface marking.

经典应用展示

The Samples



标签打标 (一)  
Label marking-1



标签打标 (二)  
Label marking-2



标签打标 (三)  
Label marking-3



标签打标 (四)  
Label marking-4

覆盖膜激光切割机系列

Protection Film Laser Cutting Machine



扫码查看详情



MS0305-RV-A 覆盖膜激光切割机系列  
Protection film laser cutting machine

MS0305-RVT-A 双工位覆盖膜激光切割机系列  
Protection film laser cutting machine

产品技术亮点

Features

- ◆进口紫外激光器，具有聚焦光斑小，打标精细，热影响小，切割效果好；
- ◆进口数字式高速扫描振镜，体积小，速度快，稳定性好；
- ◆高精度直线电机及大理石平台，实现高速、高精度加工需求；
- ◆专业的激光切割软件系统，功能强大，界面友好，操作简洁快速，易学易用；
- ◆核心器件选用国外进口配置，性能优良，质量稳定，使用寿命长。
- ◆Imported UV laser generator: small light spot, exquisite marking, small heat effect, good cutting result.
- ◆Imported digital high-speed mirror: small size, high speed, good stability.
- ◆High-precision linear motor and marble platform: high-speed & high-accuracy processing.
- ◆Professional laser cutting software system: user-friendly interface, easy to learn & operate.
- ◆Imported key components, excellent performance, stable quality, long life-span.

产品技术参数

Specification

型号 Model	激光功率 Laser power	工作幅面 Working area	外形尺寸 Overall dimension	系统精度 Accuracy	设备功率 Gross power	X/Y工作台 X/Y working platform	基座 Base	冷却方式 Cooling method	支持图形格式 Support format	工作环境 Working environment
MS0305-RV-A	15W 紫外飞秒	300×500mm	1500×1800 ×2000mm	±20μm	5.5kW	直线电机 Linear motor	高精度大理石 High precision marble	水冷 Water cooling	DXF等	温度Temp: 15~35℃ 湿度Humidity: 5~85% 无凝结,无灰尘或灰尘较少 Clean,less dust
MS0305-RVT-A	30W 紫外飞秒 20~30W 绿光皮秒		1900×1400 ×2000mm							

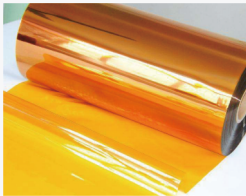
适用材料

Material

主要用于FPC覆盖膜及薄片类卷料产品的精细切割加工。  
Applied to FPC covering film roll material precise cutting.

经典应用展示

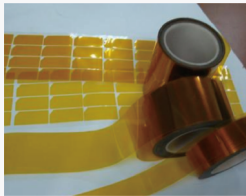
The Samples



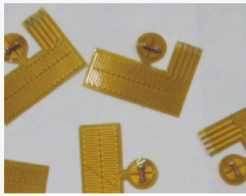
覆盖膜切割  
Cover film cutting



PU保护膜切割  
PU protective film cutting



PI保护膜切割  
PI protective film cutting



加热膜切割  
The heating film cutting

FPC激光分板机系列

FPC Cutting Machine



产品技术亮点

- 自主研发的激光切割软件系统，简单易学；可实现产线的MES系统定制及无缝对接；
- 进口优质激光发生器与光学系统，全光路防护，以确保机器长时间，使操作过程更安全；
- 高性能CCD可实现自动定位切割加工；
- 高精密直线电机及大理石平台，实现高精密加工需求；
- 标配蜂窝式吸附平台；
- 可选择配置传输轨道加工平台，与SMT流水线对接，实现自动化加工。

Features

- Professional laser cutting software for PCB industry, and easy for operation;The MES system customization and seamless docking of the production line can be realized.
- Imported laser source and optic system to ensure machine long term stable performance;
- CCD module helps to achieve auto-positioning cutting;
- Optional with linear motor and marble platform to achieve high precision requirement;
- Multiple platforms more functions,honeycomb adsorption platform is standard;
- PCB board transmission track is optional, and prefect match SMTassembly line.

产品技术参数

Specification

型号 Model	工作范围 Cutting range	激光功率 Laser power	光斑直径 Spot size	系统精度 Accuracy	设备功率 Gross power	外形尺寸 Overall dimension	整机重量 Weight	电源 Supply voltage	工作环境 Working environment
MS0404-V-B	400×400mm	紫外UV Laser: 10~20W 绿光Green laser: 30W	<20μm	±20μm	5.5kW	1300×1100×1750mm	1200kg	AC220V±10% 50/60Hz	温度Temp: 15~35℃ 湿度Humidity: 5~85% 无凝结,无灰尘 或灰尘较少 Clean,less dust

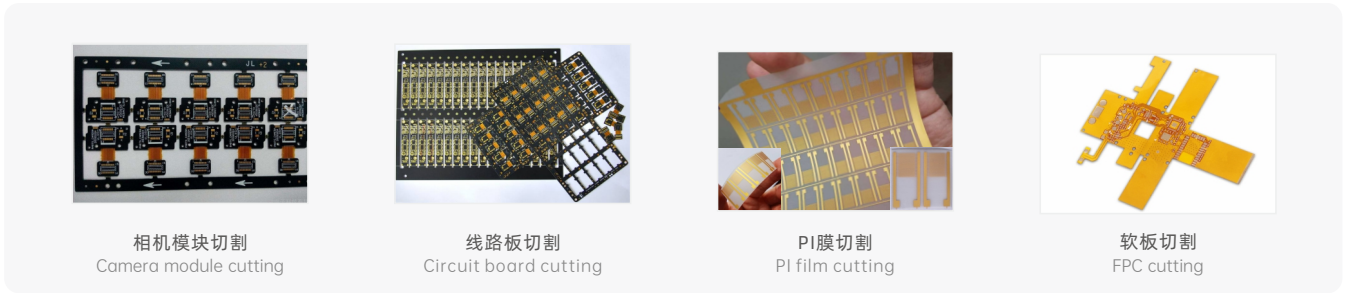
适用材料

Material

主要用于电子行业的激光切割/分板机，可应用硬板、软板、覆盖膜等产品的精细切割分板加工。  
Laser cutting/dividing machine used in electronic industry can be used for fine cutting and dividing of hard board, soft board, covering film and other products.

经典应用展示

The Samples



激光分板机系列

Laser Cutting Machine Series



产品技术亮点

- 多加工平台，一机多用，可满足PCB软、硬板、覆盖膜等切割加工需求；
- 采用进口紫外腔内倍频技术激光器，聚焦光斑小，打标精细，热影响小，效果佳，稳定性好
- 进口数字式高速扫描振镜，体积小，速度快，性能好；
- 高性能CCD视觉系统可实现自动定位切割加工；
- 自主研发专业激光切割分板软件系统，简单易学；
- 进口优质激光发生器与光学系统，确保机器常时间稳定工作，全光路防护，操作更安全。

Features

- Multiple working platforms with multiple functions to meet the processing requirement for soft&hard PCB board as well as the cover film.
- Imported UV laser generator with intra-cavity frequency doubling technique: small light spot, exquisite marking , small heat effect, good cutting result.
- Imported digital high-speed mirror: small size, high speed, good stability.
- High-performance CCD visual system enables auto-positioning cutting.
- Self-developed processional cutting software system, easy to learn & operate.
- Imported UV laser generator & optical system, ensuring sable working under long-time working condition. Full optical pathway protection ensures safer operation.MTassembly line.

产品技术参数

Specification

型号 Model	激光功率 Laser power	加工幅面 Working area	外形尺寸 Overall dimension	系统精度 Accuracy	设备功率 Gross power	X/Y工作台 X/Y working platform	聚焦光斑直径 Spot size	电源 Supply voltage	工作环境 Working environment
MS0605-V-A	15W 紫外 30W 绿光	650×550mm	1400×1550×2050mm	±30μm	5.5kW	直线电机 Linear motor	<20μm	AC220±10% 50/60Hz	温度Temp: 15~35℃ 湿度Humidity: 5~85% 无凝结,无灰尘 或灰尘较少 Clean,less dust
MS0305-V-A	10~18W 紫外 30W 绿光	300×500mm ×2 (双工位)	1400×1450×2000mm						

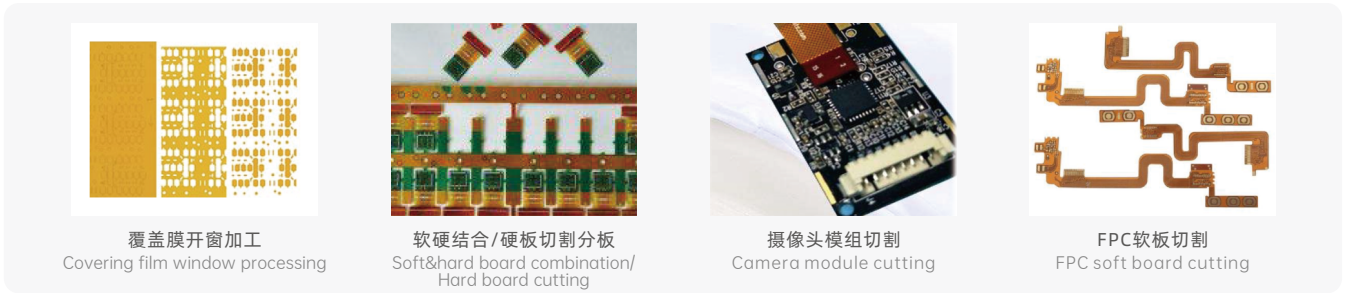
适用材料

Material

主要用于电子行业硬板、软板、覆盖膜等产品的精细切割分板加工。  
It can be applied to the fine cutting and sub-board processing of hard boards, soft boards, cover films and other products.

经典应用展示

The Samples





## 手持式激光清洗机系列

### Handheld Laser Cleaning Machine



扫码看视频



#### 产品技术亮点

- ◆大族粤铭自主研发新一代手持清洗机，采用一体式结构设计，根据需求可选配MOPA脉冲光纤激光器或平顶脉冲光纤激光器；
- ◆预装大族粤铭激光集团自主研发的多功能激光清洗控制系统，轻松对接各行业自动化加工系统；
- ◆配备弹性减重器，可通过三个方向自由调节，减轻操作重量，使清洗更加省力；
- ◆内置烟尘净化系统，做到符合国家环保要求的室内低污染排放；
- ◆可选配双温双控水冷系统，有效保障激光器和清洗头长时间连续稳定工作；
- ◆可选择方型、圆型等八种摆动图形清洗模式，可调摆动幅度在0~160mm以内，适用场景多、清洗更干净；

#### Features

- ◆Compact integrated design, MOPA fiber or Top-hat fiber laser source;
- ◆Equips with Han's Yueming Laser self-developed laser cleaning system, easy to meet many welding process requirements.
- ◆Equip with weight control device, easy operation;
- ◆Build-in fume filtering system, comply with China clean air control regulation standard;
- ◆Dual-temperature control water chiller, to guarantee cooling both laser source and welding head, ensure the long term stable welding quality;
- ◆Square round cleaning mode, 0~160mm width cleaning range.

#### 产品技术参数 Specification

型号 Model	最大扫描宽度 Maximum scan width	激光功率 Weight	总功率 Gross power	外形尺寸 Overall dimension	整机重量 Weight	电源 Supply voltage	散热方式 Heat dissipation
HQ系列	双摆: 50mm 单摆: 150mm	1000W	≤7kW	580×1085×1125mm	≤245kg	AC220V 50Hz/60Hz	水冷 (激光器/焊接头) 风冷 (电气) Water cooling (laser, welded joint). Air-cooled (electrical)
		1500W	≤9kW		≤275kg		
		2000W	≤10.5kW		≤290kg	AC380V 50Hz/60Hz	

#### 适用材料 Material

主要应用于精密模具、金属制品、船舶、汽车、军工航空、医疗器械、钣金/喷涂等金属表面的激光清洗和表面的激光预处理。  
Professionally used in laser cleaning and surface laser pretreatment of metal surfaces such as precision molds, metal products, ships, automobiles, military aviation, medical equipment, sheet metal/spraying, etc.

#### 经典应用展示 The Samples



氧化层激光清洗  
Laser cleaning of oxide layer



不锈钢激光清洗  
Stainless steel laser cleaning



激光清洗锈蚀  
Laser cleaning corrosion



模具激光清洗  
Mold laser cleaning

## 手持式激光焊接机系列

### Handheld Laser Welding Machine



扫码看视频



#### 产品技术亮点

#### Features

- ◆整机一体式结构设计，设备占地空间小，配加大号万向脚轮，方便携带和搬运；
- ◆标配多种焊接导电嘴，满足多种焊接需求，可实现高精度焊接焊缝小，美观牢固；
- ◆专业激光焊接软件，功能强大易学易用，普工培训即可上岗，无需专业焊工；
- ◆设备扩展性强，可连接送丝机，机器人等，可选配单摆或双摆焊接头；
- ◆电控区域标配有散热风扇，有效提高高温环境的焊接稳定性(可选配机柜空调)；
- ◆可视化仪表、注水口，使用过程随时观测，同时采用触摸屏控制面板，修改工艺参数更直观方便；
- ◆系统可以储存多种不同工艺参数，根据加工需求，通过触摸屏即可随时切换，显著减少参数调试时间；
- ◆节能环保，整机耗电量小于7度/小时，无其他耗材，适用于钣金、汽车零部件、家具、广告字等行业。

- ◆Integrated structure design, highly integrated, occupies only one square meter;
- ◆Standard with a variety of welding nozzle to meet different welding needs; Professional laser welding software, powerful and easy to learn and use after general training;
- ◆Strong expansibility, standardized electrical interface, can be connected to wire feeders, robots, etc., optional single pendulum or double pendulum welding head;
- ◆Standardly equipped with a cooling fan in the electronic control area, effectively improve the welding stability in high temperature environment (Cabinet air conditioner is optional);
- ◆Visual instrument and water injection port, and use the touch screen control panel to modify the process parameters more intuitively and conveniently;
- ◆The system can store a variety of different process parameters, can be switched at any time through the touch screen according to the processing requirements;
- ◆Energy-saving, the gross power consumption less than 7 kW/h, no other consumables.

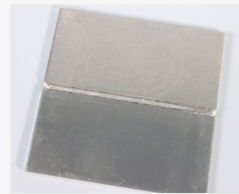
#### 产品技术参数 Specification

型号 Model	激光波长 laser wavelength	激光功率 Weight	总功率 Gross power	外形尺寸 Overall dimension	整机重量 Weight	电源 Supply voltage	散热方式 Heat dissipation
HW系列	1080±10nm	1000W	≤7kW	580×1085×1125mm	≤245kg	AC220V 50Hz/60Hz	水冷 (激光器/焊接头) 风冷 (电气) Water cooling (laser, welded joint). Air-cooled (electrical)
		1500W	≤9kW		≤275kg		
		2000W	≤10.5kW		≤290kg	AC380V 50Hz/60Hz	

#### 适用材料 Material

主要用于铝片、铁片、不锈钢片、铜片等多种金属片同种材料焊接。以及铝铜、不锈钢铜等多种材料混合焊接。  
Mainly used for welding of various metal sheets of the same material or mixed materials, such as aluminum, iron, stainless and copper sheets etc.

#### 经典应用展示 The Samples



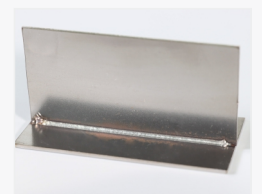
铝材拼焊  
Aluminum splicing



金属字母焊接  
Metal letter welding



不锈钢焊接  
Stainless steel welding



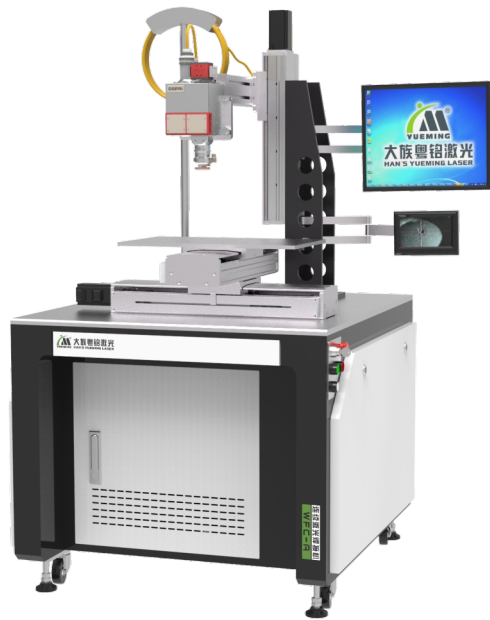
碳钢送丝T角焊  
Carbon steel T-angle welding



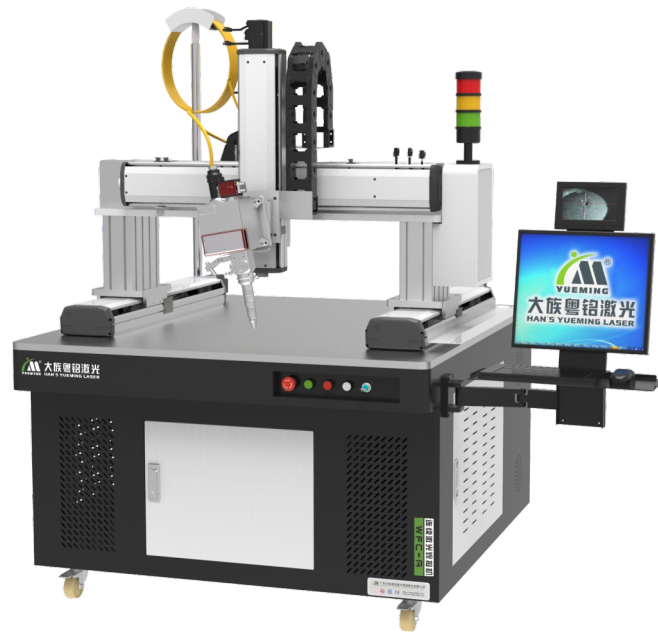
## 连续光纤激光焊接机系列 Fiber Laser Welding Machine



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X/Y移动平台激光焊接机  
Laser welding machine with X/Y table



龙门式激光焊接机  
Gantry laser welding machine

### 产品技术亮点 Features

- ◆焊接头结构架可自由选配，充分满足客户成本和场地的差异性要求；
  - ◆治具可定制、可分离、可嫁接，与客户产线快速对接；
  - ◆采用工控机做为人机交互，操作简单可靠，容易控制；
  - ◆摆动头焊接：通过镜片的角度偏转，可实现多种不同类型光路；
  - ◆设备运行成本低，耗材少，日常维护简单，减少停线调试成本；
  - ◆相对于传统焊接难以接近的部位，可实行非接触远距离焊接；
  - ◆可适用于焊接材料广泛：不锈钢、碳钢、镀锌板、黄铜、铝合金板等多种金属。
- ◆Welding head frame is available for customization to comply with budgets and production site;
  - ◆Jig can be customized, separated, grafted, and fast docked with the customer's production line;
  - ◆Adopts industrial computer for simple and reliable operation;
  - ◆Wobble welding head is used to make multiple optic paths;
  - ◆Low operation cost, less consumable materials, simple daily maintenance with less cost;
  - ◆Can do the contactless remote welding, much easier than traditional welding method;
  - ◆Applicable to materials: stainless steel, carbon steel, galvanized sheet, brass, aluminum alloy plate and other metals.



### 产品概述 Overview

- ◆此款专用焊接机是专业应用传统五金、新能源等行业的激光焊接设备。
  - ◆具有功率峰值高、光束质量好，光斑细，安装灵活等优点。
  - ◆激光束可实现不同光斑形状，能进行异形光斑同时加工，满足混合焊接等多种高要求焊接效果，实现精密高效焊接。
- ◆WFC-A laser welding machine is specially used for traditional hardware, new energy and other industries. Its advantages include high peak power, good beam quality, fine laser spot size and easy for installation.
  - ◆Laser beam can realize different spot shapes, process special-shaped spot at the same time, meet the welding effect of mixed welding and other high requirements, to achieve precision and efficient welding.
  - ◆Multiple laser spot shapes available, mixed laser spots can work together simultaneously, to achieve mixed material welding demand.

### 产品技术参数 Specification

WFC-A 焊接激光器 Laser Welding Machine		WTA-A 焊接工作台 Welding Worktable	
波长 Laser wave length	1070nm	工作幅面 Working area	X/Y: 标配(standard) 400×300mm 可定制(customized) 龙门式(Gantry): 600×600×400mm 有效行程(Effective stroke)
光纤接口 Fiber interface	QBH	最小聚焦光斑直径 Min focal spot diameter	0.2mm
光纤芯径 Fiber diameter	50/100μm可选(Optional)	定位精度 Positioning accuracy	< 0.02mm
光纤长度 Fiber length	10/15m可选(Optional)	焊接示教方式 Teaching method of welding seam	同轴CCD示教 Coaxial CCD teaching
激光功率 Laser power	1000/1500/2000/3000/4000/6000W	升降范围 Lifting height	标配(standard): 0~300mm 可定制(customized)
冷却方式 Cooling method	水冷 (Water Cooling)	支持图形格式 Support format	PLT格式等 PLT, etc.
电源 Supply voltage	220V,AC±10% 50/60Hz	电源 Supply voltage	三相(Three phase) 380V,AC±10% 50/60HZ
外形尺寸 Overall dimension	425×970×168mm	外形尺寸 Overall dimension	X/Y:1000×1200×1600mm 龙门式(Gantry): 1900×1350×1800mm
整机重量 Weight	100kg	整机重量 Weight	200kg
工作环境 Working environment	存储温度(Storage temp): -20°C~60°C; 湿度(Humidity): < 70% 工作温度(Working temp): 10°C~35°C; 湿度(Humidity): < 70%	工作环境 Working environment	存储温度(Storage temp): -20°C~60°C; 湿度(Humidity): < 70% 工作温度(Working temp): 10°C~35°C; 湿度(Humidity): < 70%
总功率 Total power	1.5kW (不含激光器和冷水机)	总功率 Total power	5kW

### 适用材料 Material

主要用于铝片、铁片、不锈钢片、铜片等多种金属片同种材料焊接。以及铝铜、不锈钢铜等多种材料混合焊接。  
Mainly used for welding of various metal sheets of the same material or mixed materials, such as aluminum, iron, stainless and copper sheets etc.

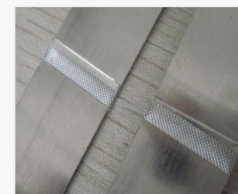
### 经典应用展示 The Samples



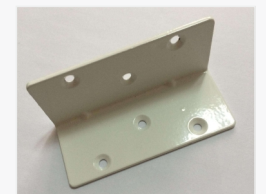
不锈钢焊接  
Stainless steel welding



铜片焊接  
Copper welding



铝片焊接  
Aluminum welding



五金焊接  
Metal welding





## 半导体激光焊接机系列 Semiconductor Laser Welding Machine

### 产品技术亮点 Features

- ◆能量集中，焊接效率高、加工精度高，焊缝深宽比大；
  - ◆热输入量小，热影响区小，工件残余应力和变形小；
  - ◆非接触式焊接，光纤传输，可达性较好，自动化程度高；
  - ◆接头设计灵活，节省原材料；
  - ◆焊接能量可精确控制，焊接效果稳定，焊接外观好。
- ◆Laser welding has the advantages of high welding efficiency, large depth-wide ratio and high precision;
  - ◆Small grain size and narrow heat affected zone, smaller distortion after welding;
  - ◆Flexible Working fiber, contactless welding it is easy to add on current production line
  - ◆Save material;
  - ◆Precise welding energy control, stable welding performance, beautiful welding effect.



扫码看视频



### 产品技术参数 Specification

WS-A 焊接激光器 Laser Welding Machine		WTA-A 焊接工作台 Welding Worktable	
波长 Laser wave length	915nm	工作幅面 Working area	标配(standard):400×300mm 可定制(customized)
光纤接口 Fiber interface	QBH	最小聚焦光斑直径 Min focal spot diameter	1.0mm
光纤芯径 Fiber diameter	400/600um可选(Optional)	振镜定位精度 Positioning accuracy	< 0.02mm
光纤长度 Fiber length	10/15m可选(Optional)	焊缝示教方式 Teaching method of welding seam	同轴CCD示教 Coaxial CCD teaching
激光功率 Laser power	1000/2000W	升降范围 Lifting height	标配(standard): 0~300mm 可定制(customized)
冷却方式 Cooling method	水冷 (Water Cooling)	支持图形格式 Support format	PLT格式等 PLT, etc.
电源 Supply voltage	三相(Three phase) 380V,AC±10% 50/60HZ	电源 Supply voltage	三相(Three phase) 380V,AC±10% 50/60HZ
外形尺寸 Overall dimension	485×237×663mm	外形尺寸 Overall dimension	1000×1200×1600mm(不含光纤支架 Excluding the support frame)
整机重量 Weight	70kg	整机重量 Weight	200kg
工作环境 Working environment	存储温度(Storage temp): -20℃~60℃; 湿度(Humidity): < 70% 工作温度(Working temp): 10℃~35℃; 湿度(Humidity): < 70%		
总功率 Total power	1.5kW (不含激光器和冷水机)	总功率 Total power	5kW

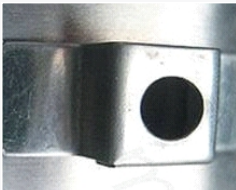
### 适用材料 Material

主要用于五金行业不锈钢制品焊接，碳钢制品焊接；可以做到3MM以内焊接。  
For stainless steel, mild steel, within 3mm can achieve prefect welding quality.

### 经典应用展示 The Samples



保温杯焊接  
Vacuum cup welding



精密五金件焊接  
Precision hardware welding



电子元件焊接  
Electronic component welding



三通焊接  
Tee welding



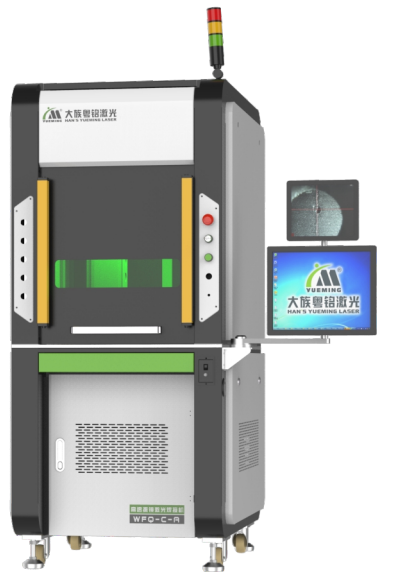
## 高速振镜激光焊接机 Galvo High Speed Welding Machine

### 产品技术亮点 Features

- ◆采用工控机做人机交互，可实行非接触远距离焊接，操作简单可靠，容易控制；
  - ◆采用优质振镜系统在单点焊接时速度快于传统XY轴平台；
  - ◆同轴CCD摄像示教定位功能，可以快速精准找到焊点；
  - ◆设备运行成本低，耗材少，日常维护简单，减少停线调试成本；
  - ◆焊接头可自由选配，充分满足客户成本和场地的差异性要求；
  - ◆激光器和工作台可定制、可分离、可嫁接，与客户产线快速对接。
- ◆Adopts IPC remote control, easy for operation;
  - ◆Galvo welding system is much faster than XY moving platform
  - ◆Coaxial CCD camera teaching positioning helps to fast and preicisely locate the welding spot;
  - ◆Low running cost, less consumables, and simple daily maintenance;
  - ◆Optional welding heads to adapt for different customers'requirement;
  - ◆Flexible laser system, easy for intregation on other production lines.



扫码看视频



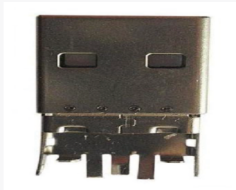
### 产品技术参数 Specification

QCW 焊接激光器 QCW Laser Welding Machine		连续焊接激光器 Continuous Welding Laser	
波长 Laser wave length	1070nm	波长 Laser wave length	1064nm
单点最大能量 Maximum single-point energy	15/30J	单点最大能量 Maximum single-point energy	/
光纤芯径 Fiber diameter	14μm	光纤芯径 Fiber diameter	14μm
光纤长度 Fiber length	标配(standard): 3m 可选(Optional): 5m	光纤长度 Fiber length	标配(standard): 10m 可选(Optional): 15m
激光功率 Laser power	1500/3000W	激光功率 Laser power	500W
冷却方式 Cooling method	水冷/风冷 (Water Cooling / Air cooling)	冷却方式 Cooling method	水冷 (Water Cooling)
电源 Supply voltage	220V/50Hz	电源 Supply voltage	220V/50Hz
外形尺寸 Overall dimension	1000×1100×1900mm	外形尺寸 Overall dimension	1000×1100×1900mm
整机重量 Weight	200kg	整机重量 Weight	200kg
工作环境 Working environment	存储温度(Storage temp): -20℃~30℃; 湿度(Humidity): < 70% 工作温度(Working temp): 10℃~35℃; 湿度(Humidity): < 70%		
平均功率 Gross power	150/300W	平均功率 Gross power	500W

### 适用材料 Material

主要应用于3C产品零部件焊接、电池焊接、新能源等行业激光焊接应用。  
Mainly apply for welding on 3C parts, battery welding and new energy industry;

### 经典应用展示 The Samples



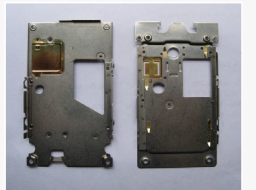
USB数据线焊接  
USB data cable welding



电子元件焊接  
Electronic components weling



电池极耳焊接  
Battery lug welding



手机内构件金属焊接  
Mobile phone internal metal components welding

振镜式光纤激光焊接机系列

Galvo Welding Machine



- 产品技术亮点Features
- ◆采用自主研发的激光焊接软件，软件可直接调节、编辑焊点大小，焊接焊缝精细美观；

◆采用工控机做人机交互，操作简单可靠，容易控制；

◆振镜系统采用优质振镜在单点焊接时速度快于传统XY轴平台；

◆激光器和工作台可定制，可选配XYZ三轴联动平台；

◆振镜激光焊接设备可自由选配充分满足客户成本和场地的差异性要求；

◆设备运行成本低耗材少日常维护简单，减少停线调试成本；

◆相对于传统焊接难以接近的部位，可实行非接触远距离焊接。

◆Self-developed welding software, programmable welding spot size, clean and nice welding effect;

◆Easy operation;

◆Much more efficient than traditional XY welding platform;

◆Laser source and working platform is optional and customized;

◆More flexible for customer;

◆Low running cost and maintenance cost;

◆It can realize non-contact long distance welding to inaccessible location.

产品技术参数Specification

QCW 焊接激光器 QCW Laser Welding Machine		连续焊接激光器 Continuous Welding Laser	
波长 Laser wave length	1070nm	波长 Laser wave length	1064nm
单点最大能量 Maximum single-point energy	15J	单点最大能量 Maximum single-point energy	/
光纤芯径 Fiber diameter	50μm	光纤芯径 Fiber diameter	14μm
光纤长度 Fiber length	标配(standard): 5m 可选(Optional): 10/15/20m	光纤长度 Fiber length	标配(standard): 5m 可选(Optional): 10/15/20m
激光功率 Laser power	1000/2000W	激光功率 Laser power	1000/2000W
冷却方式 Cooling method	水冷/风冷 (Water Cooling / Air cooling)	冷却方式 Cooling method	水冷 (Water Cooling)
电源 Supply voltage	220~240V 50/60Hz	电源 Supply voltage	220~240V 50/60Hz
外形尺寸 Overall dimension	256×435×148mm	外形尺寸 Overall dimension	900×500×230mm
整机重量 Weight	80kg	整机重量 Weight	< 100kg
工作环境 Working environment	存储温度(Storage temp): -20°C~35°C; 湿度(Humidity): < 70% 工作温度(Working temp): 10°C~35°C; 湿度(Humidity): < 70%		
平均功率 Gross power	100/200W	平均功率 Gross power	1000/2000W

适用材料Material

广泛应用于手机、电脑、极耳极片、微电子元件、精密零件、智能终端产品组件、医疗器械等行业，及各类金属材质：碳钢、不锈钢、铜、铝、镀锌等材料之间的激光焊接等。

Mobile phones, computers, tabs, microelectronic components, precision parts, smart terminal product components, medical equipment and other industries, and various metal materials: carbon steel, stainless steel, copper, aluminum, galvanized and other materials Laser welding, etc.

经典应用展示The Samples





WTR-A机械手激光焊接机系列

WTR-A Manipulator Laser Welding Machine



- 产品技术亮点Features
- ◆采用原装进口工业机器人，定位精度高，加工范围大，六轴联动，可实现三维零件加工；

◆原厂进口光纤激光发生器，光斑质量好，输出功率稳定，实现高质量焊接效果；

◆机器人激光焊接对焊接零件的形状适应性好，完美的灵活性以应对复杂工件需求；

◆可对不同复杂工件进行试教，根据客户需求由操作人员跟踪设定轨迹，即使在条件苛刻、限制颇多的场所任能实现高效操作；

◆可实现自动化控制，焊接机核心部件基本免维护，维护成本低；

◆可选配非接触式视觉定位系统，检测和纠正焊缝偏差，保证获得合格的焊缝；

◆该光纤激光焊接机适用于焊接材料广泛：不锈钢、碳钢、镀锌板、铝合金板等多种金属材料。

◆Use the imported industrial robot, high positioning accuracy, large processing range, six axis robot, can achieve 3D processing;

◆Imported fiber laser source, good light spot quality, stable output power, high quality welding effect

◆Robot laser welding has good adaptability to welding material, size and shape;

◆Operate the robot through handheld terminal, even in harsh working conditions can achieve efficient operation;

◆WTR-A series can achieve automatic control and remote welding, welding machine core components are basically maintenance-free;

◆Non-contact weld tracking system is optional to detect and correct weld deviation in real time to ensure qualified weld

◆It's applicable to a wide range of welding materials: stainless steel, carbon steel, galvanized plate, aluminum alloy plate and other metal materials.

- 产品概述Overview
- ◆机器人激光焊接机设备是专业应用汽车五金、医疗器械等金属加工行业的激光加工解决方案，设备在设计上采用一体机集成结构，采用大族粤铭自主知识产权的多功能激光软件控制系统，能够有效的满足不同形状的焊接，具有灵活多样的应用形式，适合多种不同类型的复杂产品的精确焊接。

◆Robot laser welding machine is used in auto industry, hardware, medical equipment and other metal processing industries. All-in-one integrated structure; Han's yueming independent intellectual property rights of the multi-function laser control system can effectively match the welding of different shapes. Flexible application form, suitable for a variety of different types of complex product precision welding.

产品技术参数Specification

WTR-A机械手激光焊接机 WTR-A Robot Laser Welding Machine			
输出接口类型 Output interface type	QBH	激光器 Laser	连续激光器(CW Laser source) 1000/1500/2000/3000/4000W
机器人 Robot	6轴	光纤长度 Fiber length	10/15/20m可选(Optional)
焊接头 Plumb joint	摆动焊接头，摆动行程5mm Wobble welding head, working area: 50*50mm	最大功率峰值 Peak power	1000/1500/2000/3000/4000W
冷水机 Cold water machine	双温双控 Dual-temperature control	纤芯 Fiber core	50/100μm
设备功率 Equipment power	< 3kW	工作环境 Work environment	存储温度(Storage temp): -20℃~60℃ 湿度(Humidity): < 60%
整机重量 Weight	< 250kg	最大电源功率 Maximum power	< 25kW
激光器重量 Weight of laser head	< 150kg	电源需求 Power Input	380V,AC±10%,50/60Hz

- 适用材料Material
- 主要用于铝材、碳钢、不锈钢、铜等多种金属片同种材料焊接，以及铝铜、不锈钢铜等多种材料混合焊接。

Apply to Al/MS/SS/Brass welding and mixed metal welding.

