

创轩(常熟)激光科技有限公司
CHANXAN (CHANGSHU) LASER TECHNOLOGY CO., LTD.

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GLASS INDUSTRY
AUTOMATED
LASER SOLUTIONS

关于创轩 / About US

创轩激光是一家从事激光技术开发, 推广激光工艺应用的高新技术企业。公司致力于将激光技术推广到各工业生产领域, 并着重专注于研发非金属材料的激光加工工艺及超快激光技术成套设备的开发应用。

公司拥有一支由清华博士后领衔的研发团队。自主研发的CW系列、SG系列、CW/P系列、CX系列激光设备广受用户好评。我们还致力于将激光技术进行跨界融合, 开发了激光加视觉, 激光加自动化等前沿应用并获得完整知识产权。共获取各项国家专利100多项, 著作权6项, 注册商标3项。先后获得国家高新技术企业, 创新型科技企业; 并申报专精特新企业, 瞪羚企业等荣誉称号。

Chanxan Laser Technology Co., Ltd. is a high-tech enterprise in the development of laser technology and the promotion of laser technology application. The company is committed to promoting laser technology to various industrial production fields, and focuses on the development and application of laser processing technology for non-metallic materials and complete sets of ultrafast laser technology.

The company has a research and development team led by postdoctoral fellows of Tsinghua University. The self-developed CW series, SG series, CW/P series, and CX series laser equipment are widely praised by users. We are also committed to the cross-border integration of laser technology, developed cutting-edge applications such as laser plus vision, laser plus automation, and obtained complete intellectual property rights.



创轩(常熟)工业园

十几年来, 创轩激光产品及服务的客户超8000家, 涉及100多个国家和地区。先后成立创轩苏州、创轩越南、创轩南京、创轩广东、创轩常熟五大基地。建设完成和使用超8万平方米的生产厂房, 基本完成集团化发展格局。

光生万物。我们坚信激光技术所带来的“光加工”时代, 将是建设美好生活的一部分! 创轩人将更加努力创造更尖端的激光设备, 为科研教学、医疗用品、半导体、超快精密加工、新能源, 新材料, 汽配, 工艺品, 智能家居, 柔性面料等领域的工业生产和工艺提升贡献一份力量。

For more than ten years, Chanxan Laser products and services have served more than 8,000 customers, involving more than 100 countries and regions. Five bases of Chanxan Suzhou, Chanxan Vietnam, Chanxan Nanjing, Chanxan Guangdong, and Chanxan Changshu have been established successively. The construction and use of over 80,000 square meters of production plants have basically completed the group development pattern.

Light produces all things. We firmly believe that the era of "light processing" brought by laser technology will be part of building a better life! Chanxan people will work harder to create more cutting-edge laser equipment for industrial production and process improvement in the fields of scientific research and teaching, medical supplies, semiconductors, ultra-fast precision processing, new energy, new materials, auto parts, handicrafts, smart home, flexible fabrics, etc. to make a contribution.

➤ 我们的使命: 让每一个客户都用好激光机!
Our mission: Make Sure Every Customer Use Laser Machine Well!

创轩激光五大基地 / Chanxan Laser Five Bases



常熟 Changshu



南京 Nanjing



苏州 Suzhou



广东 Guangdong



越南 Vietnam

创轩服务承诺 / Service Promise

- » 我们严格按照ISO9001:2015质量体系认证执行标准,为客户提供更优质的产品。
 - » 长期保证高质量的设备零配件及耗材供应。
 - » 全国免费服务热线,24小时内响应,为客户解决实际问题!
 - » 视频、电话技术支持,电子商务增值服务。
 - » 售后宝数据化提供专业售后保障。
 - » 我们定期进行客户满意度调查,由总经理组织总结和处理客户意见和建议。
 - » 提供免费培训工作,一年免费上门服务,提供长年全面服务。
 - » 让每一个客户都用好激光机。
-
- » We strictly follow the ISO9001:2015 and provide customers better quality products.
 - » We provide high-quality spare parts and long-term supply consumables.
 - » National free service hotline, to respond within 24 hours to solve problems for customers.
 - » Video, telephone technical support and e-commerce value-added services.
 - » Data provides professional after-sales guarantee.
 - » We conduct customer satisfaction surveys regularly, and the general manager takes care of customer opinions and suggestions.
 - » We provide free training, and long-term comprehensive services.
 - » Make sure every customer use laser machine well.

创轩社会责任、安全与环保

Social Responsibility, Safety and Environmental Protection

创轩努力为员工提供一个健康、安全的工作环境,同时积极做好污染减排工作,履行社会责任。

- 积极打造创轩企业文化,营造和谐工作环境,构筑员工发展平台,提供更多就业岗位。
- 改善员工生活条件,不断增加员工收入;注重技能培训,努力提供员工素质。
- 每年定期创建“创轩学习月”,“创轩团建周”,丰富和拓展员工视野。
- 通过污染预防和增加环保材料的使用来减少对环境的影响。
- 通过循环利用、材料替代等方式来减少生产过程、产品和包装所产生的废弃物。
- 设立无尘车间,保证工作人员身体健康,而且对产品的质量、精度、成品率、稳定性等都有显著作用。
- 通过技术创新,提高产品品质,降低生产成本和客户成本,减少对环境的影响。

Chanxan strives to provide employees with a healthy and safe working environment, while actively in reducing pollution and fulfilling social responsibilities.

- Actively build the corporate culture of Chanxan, create a harmonious working environment, build a platform for employee development, and provide more jobs.
- Improve employees' living conditions and continuously increase their income; focus on skills training.
- Create "Chanxan Learning Month" and "Chanxan Team Building Week" to enrich and expand employees' horizons every year regularly.
- Reduce the impact on the environment through pollution prevention and increasing the use of environmentally materials.
- Reduce waste generated in the production process, products and packaging through recycling and material substitution.
- Set up a dust-free workshop to ensure the health of the staff and have a significant effect on the quality, precision, yield, and stability of the product
- Through technological innovation, improve product quality, reduce production costs, and reduce the impact on the environment.



玻璃激光钻孔设备

Glass Laser Drilling Machine



设备优势 / Equipment Advantages

1. 激光非接触式加工,对产品无硬力损伤。
 2. 不用水冷却加工,环保无污染,没有耗材。
 3. 支持7*24小时运作,长期使用稳定性好。
 4. 加工速度快,效率高,崩边小,耗电低。
-
1. Laser non-contact processing, no hard damage to the product.
 2. No water cooling required, environmentally friendly, pollution-free, and no consumables.
 3. Supports 7*24 hours operation and has good long-term stability.
 4. Fast processing speed, high efficiency, small edge chipping and low power consumption.

应用领域 / Applicable Fields

针对各类光学玻璃、石英、蓝宝石、陶瓷等脆性材料的超快激光打孔设备整体解决方案;可进行微孔、异形孔等精密工艺加工,应用领域广泛。

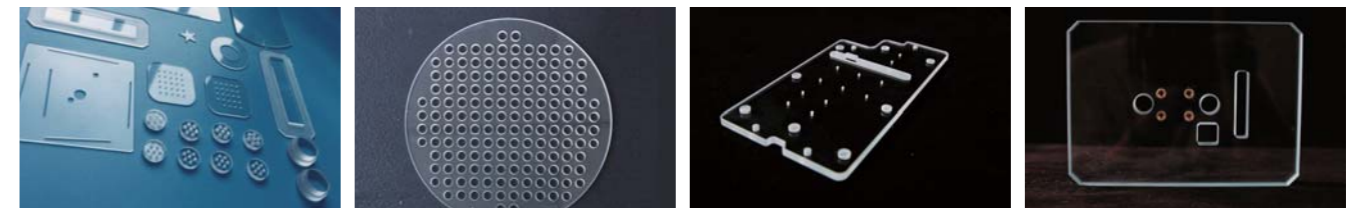
An overall solution for ultra-fast laser drilling equipment for various types of optical glass, quartz, sapphire, ceramics and other brittle materials; it can process micro-holes, special-shaped holes and other precision processes, and has a wide range of applications.

技术参数 / Technical Parameters

型号	CXD-1270
激光器类型	固体激光器
激光波长	532nm
输出功率	60W
加工面积	1200*700mm
钻孔速度	厚度:1mm, 40mm/s (白玻璃)
钻孔精度	±0.1mm
冷却方式	水冷
工作电压	AC 220V±10%, 50HZ/60HZ
整机功率	10KW
整机重量	1000Kg
整机尺寸	L1880*W1660*H1800mm

Model	CXD-1270
Laser type	Solid-state Lasers
Laser wavelength	532nm
Output Power	60W
Processing area	1200*700mm
Cutting speed	Thickness :1mm, 40mm/s (white glass)
Reposition accuracy	±0.1mm
Cooling system	water cooling
Working Voltage	AC 220V±10%, 50HZ/60HZ
Whole Power	10KW
Machine Weight	1000Kg
Machine Dimension	L1880*W1660*H1800mm

样品展示 / Sample show



玻璃激光切裂一体机

Glass Laser Cutting Machine



应用领域 / Applicable Fields

广泛应用于车载玻璃(挡风玻璃/后视镜玻璃)、车载显示盖板、光学玻璃、安防玻璃、家电玻璃面板、灯饰玻璃、医疗玻璃、玻璃加工:仪表面板、显示面板、蓝宝石加工、手表、耐磨屏幕、电子零部件、半导体行业等。

Widely used in automotive glass (windshield/rearview mirror glass), automotive display cover, optical glass, security glass, home appliance glass panel, lighting glass, medical glass, Glass processing: instrument panels, display panels, sapphire processing, watches, wear-resistant screens, electronic components, semiconductor industry, etc.

设备优势 / Equipment Advantages

1. 设备采用隐切新工艺,针对蓝宝石、玻璃等透明材料快速切割。
 2. 光路系统均采用进口镜片,从而保证高质量的光学传输。
 3. 尺寸精度高,崩边小,无维度。
 4. 可选配自动化上下料系统(双平台)。
 5. 整机使用皮秒、二氧化碳双激光器协同工作,一体化控制先切后裂,一次成型。
1. The equipment adopts picosecond new process technology, which can quickly cut transparent materials such as sapphire and glass.
 2. The optical system adopts imported lenses to ensure high-quality optical transmission.
 3. High dimensional accuracy, small chipping and no dimension.
 4. Optional automatic loading and unloading system (dual platform).
 5. The whole machine use dual picosecond and carbon dioxide lasers to work together, with integrated control to cut first and then crack, forming in one go.

应用领域 / Applicable Fields

广泛应用于车载玻璃(挡风玻璃/后视镜玻璃)、车载显示盖板、光学玻璃、安防玻璃、家电玻璃面板、灯饰玻璃、医疗玻璃、玻璃加工:仪表面板、显示面板、蓝宝石加工、手表、耐磨屏幕、电子零部件、半导体行业等。

Widely used in automotive glass (windshield/rearview mirror glass), automotive display cover, optical glass, security glass, home appliance glass panel, lighting glass, medical glass, Glass processing: instrument panels, display panels, sapphire processing, watches, wear-resistant screens, electronic components, semiconductor industry, etc.

技术参数 / Technical Parameters

型号	CS-0505-RV-A
激光器类型	红外皮秒激光器
激光波长	1064nm
输出功率	红外皮秒 50W/70W/90W
加工面积	600*800mm, 可定制
切割速度	≤1000mm/s
定位精度	±3um
冷却方式	水冷
工作电压	AC 380V±10%, 50HZ/60HZ
整机功率	8KW
整机重量	约1.5吨
整机尺寸	1800*1600*2200mm

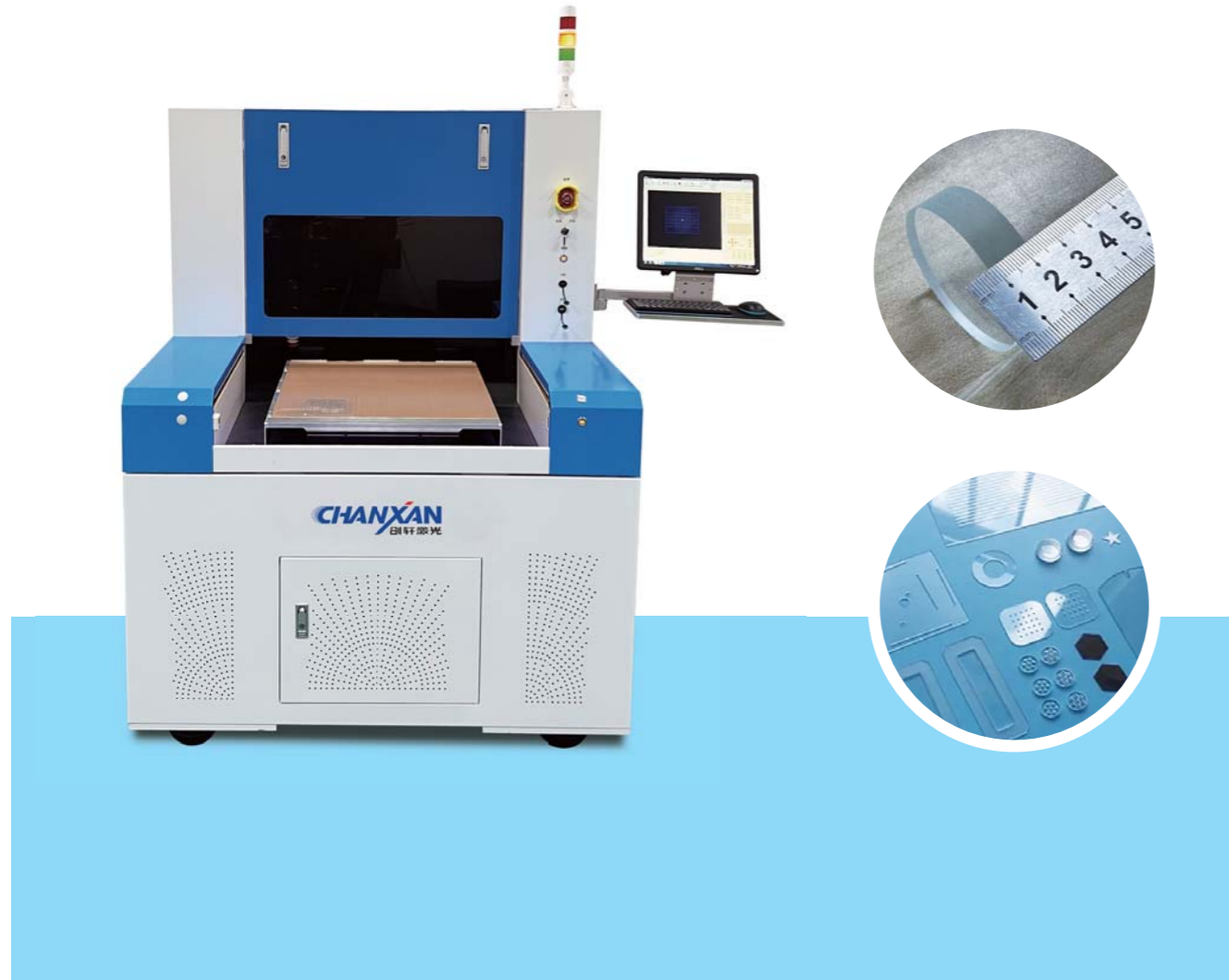
Model	CS-0505-RV-A
Laser type	Infrared Picosecond Laser source
Laser wavelength	1064nm
Output Power	Infrared Picosecond 50W/70W/90W
Processing area	600*800mm, can be customized
Cutting speed	≤1000mm/s
Reposition accuracy	±3um
Cooling system	Water cooling
Working Voltage	AC 380V±10%, 50HZ/60HZ
Whole Power	8KW
Machine Weight	About 1.5 tons
Machine Dimension	1800*1600*2200mm

样品展示 / Sample show



玻璃激光切割机

Glass Laser Cutting Machine



设备优势 / Equipment Advantages

1. 采用超短脉冲激光器, 具有加工效率高, 热影响区小, 无需后续辅助处理等优点, 可以达到“冷”加工的工艺。
2. 采用大理石平台X/Y系统采用直线电机驱动系统, 确保平台高速运行的精准度和稳定性。
3. 配置高像素CCD自动对位功能, 保证产品切割对位精确。
4. 进口优质激光发生器与光学系统, 全光路防护, 以确保机器长时间稳定工作。

1. The use of ultra-short pulse laser has the advantages of high processing efficiency, small heat-affected zone, and no need for subsequent auxiliary processing, which can achieve "cold" processing.
2. The marble platform X/Y system adopts a linear motor drive system to ensure the accuracy and stability of the platform's high-speed operation;
3. Equipped with high-pixel CCD automatic alignment function to ensure accurate product cutting and alignment;
4. Imported high-quality laser generator and optical system, full light path protection, to ensure the long-term stable operation of the machine.

技术参数 / Technical Parameters

型号	CW-6050FZ/PZ/Z
激光器功率	10W/30W/35W 紫外/绿光
加工幅面	500 x 610mm 可定制双台面
定位精度	±1um
加工速度	≤3000mm/s
加工精度	≤30um
聚焦光斑	20um
振镜扫描范围	50 x 50mm
设备重量	约2.5吨
外形尺寸	2200 x 1500 x 1750mm
电源需求	AC 380V±10%, 50~60Hz

Model	CW-6050FZ/PZ/Z
Laser power	10W/30W/35W UV / Green
Working size	500 x 610mm Customized double table
Positioning accuracy	±1um
Processing speed	≤3000mm/s
Processing accuracy	≤30um
Focus spot	20um
Scan range of galvanometer	50 x 50mm
Weight	2.5tons
Dimensions	2200 x 1500 x 1750mm
Power requirement	AC 380V±10%, 50~60Hz

应用领域 / Applicable Fields

应用于手机行业、通讯、消费电子、半导体、科研、生物医疗等领域。例如柔性OLED屏幕、LCP、PI膜、FPC、纳米金、偏光片、FPC覆盖膜等非金属材料激光精密切割、钻孔、刻蚀加工。

Used in the mobile phone industry, communications, consumer electronics, semiconductors, scientific research, biomedical and other fields. Such as flexible OLED screen, LCP, PI film, FPC, nano gold, polarizer, FPC cover film and other non-metallic composite materials such as laser precision cutting, drilling and etching.

样品展示 / Sample show



玻璃激光镭雕设备 Glass Laser Marking Machine



设备优势 / Equipment Advantages

1. 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。
2. 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。
3. 光电转化率高，355nm输出波长，雕刻效果美观，防伪效果高。
4. 产品广泛应用于微加工、各种金属、非金属膜材料的精细雕刻。

1. The heat-affected zone is extremely small, avoiding deformation, damage or charring of the material to be processed, and the yield is high.
2. Applied to various materials to make up shortcomings of fiber laser or CO₂ laser marking.
3. High photoelectric conversion rate, 355nm output wavelength, beautiful engraving effect, high anti-counterfeiting effect.
4. Products are widely used in micro-machining, fine engraving of various metal and non-metal film materials.

应用领域 / Applicable Fields

超精细加工的高端市场，手机、充电器、数据线、药品、化妆品、高分子材料的包装瓶表面打标，柔性PCB板打标，划片；硅晶圆片微孔、盲孔加工；LCD液晶玻璃二维码打标、玻璃器具表面打孔、金属表面镀膜打标、塑料按键、电子元件、礼品、通讯器材、建筑材料等。

Suitable for high-end market for ultra-fine processing, such as mobile phones, chargers, data cables, pharmaceutical packages, cosmetics packages, and polymer materials surface marking. Also it can be used for marking of flexible PCB boards, dicing; micro-holes and blind holes for silicon wafers, LCDQA code marking, glassware punching, metal surface marking, plastic buttons, electronic components, gifts, communication, building materials marking, etc.

技术参数 / Technical Parameters

型号	CX-05Z/10Z/15Z
工作面积	100*100mm
激光功率	5W 10W 15W 可选
激光波长	355nm
激光类型	纳秒紫外 355nm
镜片	全套进口美国激光传导镜片
冷却类型	专业工业恒温系统
打标速度	500字符/秒
激光能量控制	0-100%软件设定
最小标记字符	0.1mm
最小标记线宽	0.01mm
重复定位精度	±0.001mm
整机功率	1.5KW
电源	AC110V/220V±10%, 50Hz/60Hz
工作环境	温度: 15-30°C, 湿度: 10-90%
外形尺寸	900*1000*1600mm

Model	CX-05Z/10Z/15Z
Process area	100*100mm
Laser power	5W 10W 15W optiona
Laser wavelength	355nm
Laser type	Nanosecond UV 355nm
Lens	Laser lens imported from US
Cooling type	Professional industrial thermostat system
Marking speed	500 characters/sec
Laser energy control	0-100% software setting
Minimum font	0.1mm
Minimum mark line-width	0.01mm
Repeat positioning accuracy	±0.001mm
Whole power	1.5KW
Power supply	AC 110V/220V ±10%, 50Hz/60Hz
Working environment	Temperature:15-30°C, Humidity:10-90%
Dimensions	900*1000*1600mm

样品展示 / Sample show



联动型智能镜激光打砂机 Linked Smart Mirror Laser Sand Blasting Machine



设备优势 / Equipment Advantages

1. 采用激光加工方式，一道工序即做出打砂部位。
2. 工作幅面1.3*2.5米，可制作大尺寸智能镜。
3. 免维护保养，节约生产成本，提升效率。
4. 可加工银镜、铝镜、环保镜等类型灯镜。
5. 加工出的透光部位整齐美观，无瑕疵。
6. 生产免耗材，没有易损消耗品。
7. 激光头寿命达10万小时。

1. Using laser processing, the sanding part can be made in one process.
2. The working area is 1.3*2.5 meters, which can make large-size smart mirrors.
3. Maintenance-free, saving production costs and improving efficiency.
4. Can process silver mirror, aluminum mirror, environmentally friendly mirror and other types of lamp mirrors.
5. The processed light-transmitting parts are neat, beautiful and flawless.
6. Production is free of consumables and there are no easily worn consumables.
7. The life of the laser head reaches 100,000 hours.

应用介绍 / Application introduction

智能镜激光打砂机是一种应用于智能镜生产制造的专用设备，该设备解决了智能镜制作过程中贴膜、刻绘、撕膜的繁琐工序，以及易刮伤产生不良品的弊端，采用激光蚀刻的形式，一道工序做出透光部位的图形和开关按钮部位，美观高档的效果，及生产效率大幅度的提高，极大降低企业生产成本，提高工厂原日产能2-3倍。智能镜激光打砂机可用于智能镜打砂、镜子/玻璃打孔、镜子除膜三种工艺，大大提高了生产企业的效能，降低了设备购入成本。

The smart mirror laser sandblasting machine is a new type of equipment used in the production and manufacturing of smart mirrors. This equipment solves the cumbersome processes of pasting, engraving, and tearing off the film in the production process of smart mirrors, as well as the shortcomings of easy scratches and defective products. It adopts In the form of laser etching, one process can produce the graphics of the light-transmitting parts and the switch button parts. The effect is beautiful and high-end, and the production efficiency is greatly improved. It greatly reduces the production cost of the enterprise and increases the factory's original daily production capacity by 2-3 times. The smart mirror laser sandblasting machine can be used for three processes: smart mirror sanding, mirror/glass drilling, and mirror film removal, which greatly improves the efficiency of production companies and reduces equipment purchase costs.

技术参数 / Technical Parameters

型号	CX-1325
激光功率	50W/100W/200W
激光加工精度	±0.01mm
最大加工材料	1.3m * 2.5m 可定制
设备台面	航空铝合金台面
定位夹具	铝合金四工位定位夹具
结构腔体材质	航空铝精密CNC研磨、表面喷砂氧化加硬处理
冷却方式	恒温水冷
设备功率	4500W
激光类型	抗高反功率金属光纤激光发生器
加工移动速度	0~40米/分钟
加工厚度	1-50mm
重量	1500 kg

Model	CX-1325
Laser power	50W/100W/200W
Laser processing accuracy	±0.01mm
Maximum processing material	1.3m * 2.5m can be customized
Equipment table	Aviation aluminum alloy countertop
Positioning fixture	Aluminum alloy four-station positioning fixture
Structural cavity material history	Aerospace precision CNC grinding, surface sandblasting, oxidation and hardening treatment
cooling method	Constant humidity water cooling
equipment power	4500W
Laser type	Anti-high backlash full power metal fiber laser source
Processing movement speed	0~40m/min
Processing thickness	1-50mm
Weight	1500 kg

样品展示 / Sample show



彩绘玻璃专用激光切割机 Stained Glass Laser Cutting Machine



设备优势 / Equipment Advantages

1. 省人工—全自动数控操作, 1人可管理多台设备, 人工成本降低60%以上。
2. 智能标注—激光自动定位切割线, 消除人工划线误差, 精度达±0.1mm。
3. 品质升级—无机械接触切割, 成品无崩边、无毛刺, 良品率提升至99%以上。
4. 标准化输出—数字化加工确保每件产品完全一致, 杜绝人工操作的品质波动。
5. 效率倍增—比传统切割快3-5倍, 8小时可完成200m²复杂图案切割。

1. Labor-Saving – Fully automated CNC operation allows one operator to manage multiple machines, reducing labor costs by over 60%.
2. Smart Marking – Laser auto-alignment eliminates manual marking errors, achieving precision within ±0.1mm.
3. Enhanced Quality – Non-contact cutting ensures smooth edges with no chipping or burrs, increasing yield rates to over 99%.
4. Standardized Output – Digital processing guarantees consistent results, eliminating variations caused by manual operations.
5. Doubled Efficiency – 3-5 times faster than traditional methods, capable of cutting 200m² of intricate designs in 8 hours.

应用领域 / Applicable Fields

教堂彩绘玻璃、艺术装饰玻璃、玻璃幕墙定制、岩板、大理石、瓷砖等需高精度且保护表面彩绘的领域。

Ideal for high-precision processing of surface-patterned materials including stained glass, decorative glass, custom glazing, ceramic slabs, marble, and tiles.

技术参数 / Technical Parameters

型号	CW-1390
激光功率	大功率 600W
最大放置工件(长×宽)	1000*800mm
切割幅面	1000*800mm
传动结构	丝杆传动
机床运动速度	0~500mm/s
实际切割速度	0~50mm/s
机器重复精度	≤±0.01mm
机器定位精度	≤±0.02mm
切割后工件尺寸精度	±0.1mm (与切割材料相关)
外形尺寸(长×宽×高)	1910*1800*1100mm

Model	CW-1390
Laser power	High power 600w
Product size (L×W)	1000*800mm
Cutting size	1000*800mm
Transmission type	Ballscrew transmission
Empty running speed	0~500mm/s
Cutting speed	0~50mm/s
Repetition precision	≤±0.01mm
Positioning precision	≤±0.02mm
Finished product precision	±0.1mm (depends on the material)
Machine size (L×W×H)	1910*1800*1100mm

样品展示 / Sample show



玻璃激光裂片机 Laser Precision Splitting Machine



设备优势 / Equipment Advantages

1. 采用第三代高智能化的控制系统, 全自动化控制, 高精度定位, 一次成形, 边缘光滑平整。
2. 与传统工艺相比, 产品更加美观漂亮, 更高效率, 更节约材料。
3. 雕刻过程中, 不与物体表面接触, 保证每一个产品都是高品质。

1. Advanced Intelligent Control System Features 3rd-gen smart control with full automation, high-precision positioning, one-step forming, and smooth edge finishing.
2. Superior Performance vs Traditional Methods Delivers more aesthetically pleasing products with 40% higher efficiency and 15-20% material savings.
3. Non-Contact Processing Guarantee Laser engraving without physical contact ensures 100% consistent high-quality output.

应用领域 / Applicable Fields

应用于玻璃等脆性材料切割后, 按切割纹路用聚焦的CO₂激光照射玻璃局部区域的热胀冷缩实现裂片, 高度可跟材料厚度进行调节, 采用电机精确定位, 触摸屏操作界面, 多种规格尺寸任意存储调用, 自动裂片, 操作简单, 效率高。

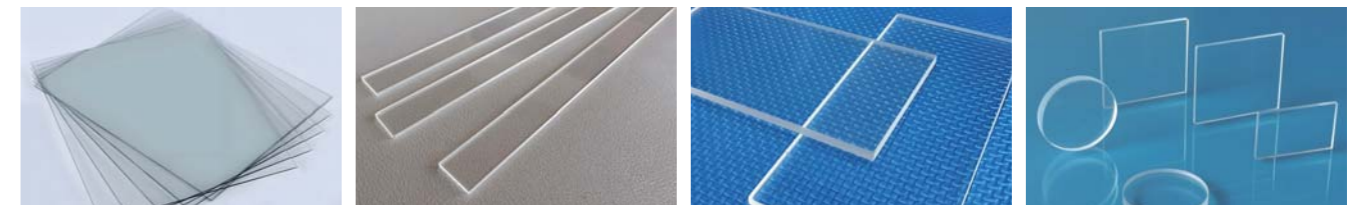
This CO₂ laser system precisely cuts brittle materials like glass using thermal stress fracturing. It features auto-height adjustment, ±0.05mm precision, touchscreen controls, and 600mm/s processing speed, delivering clean edges without micro-cracks. Ideal for display, solar, and architectural glass.

技术参数 / Technical Parameters

型号	CW-9060L
激光器类型	CO ₂ 激光器
输出功率	300W
加工面积	900*600mm
切割速度	0~800mm/s
定位精度	≤+0.02mm
冷却方式	水冷
支持文件格式	DSP、PLT、BMP、DXF、AI
工作电压	AC 220V±10%, 50HZ/60HZ
整机功率	1500W
整机重量	450Kg
整机尺寸	1800*1200*1100 mm

Model	CW-9060L
Laser type	CO ₂ laser
Output power	300W
Processing area	900*600mm
Cutting speed	0~800mm/s
Positioning accuracy	≤+0.02mm
Cooling method	Water cooling
Supported formats	DSP、PLT、BMP、DXF、AI
Working voltage	AC 220V±10%, 50HZ/60HZ
Total power	1500W
Total weight	450Kg
Total dimensions	1800*1200*1100 mm

样品展示 / Sample show





我们部分合作伙伴 / Our Partners Show

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