



GGHJ-D系列  
多功能(四轴联动)  
激光焊接机

### ● 机型简介:

适合于3mm以内薄板的缝焊。三维工作台与整机一体化设计,能焊接各种空间曲线和一些有高度变化的焊缝。应用于医疗、电子、电池、仪表等各个行业。

Suitable for welding of thin plates within 3mm; 3D work bench and the master unit are integrated; can weld space curve and welds of high variable, applied in medical, electronics, battery, instrument, etc.

### ● 适用材料和行业应用:

特别适用于金属货架、水壶、真空杯、不锈钢碗、门把手、电器配件、滤清器、油嘴、不锈钢制品、高尔夫球头、锌合金工艺品等焊接。

可焊接图形有:点、直线、圆、方形或由AUTOCAD软件绘制的任意图形,可焊接立体轨迹。

Suitable for welding of kettle, vacuum cup, stainless steel bowl, sensor, tungsten wire, high power diode (triode), aluminum alloy, laptop shell, mobile phone battery, door handle, mould, electric apparatus fittings, filter, nozzle, stainless steel products, golf head, zinc alloy artworks.

Weld point, straight line, circle, square or any plane graphs drawn by AUTOCAD; weld vertical track.



GGHJ-DH系列  
激光首饰点焊机

### ● 机型简介:

激光首饰点焊机是对首饰激光焊接的一款产品,主要应用于金银饰品的补孔和点焊砂眼。激光点焊是激光材料加工技术应用的重要方面之一,点焊过程属热传导型,即激光辐射加热工件表面,表面热量通过热传导向内部扩散,通过控制激光脉冲的宽度、能量、峰值功率和重复频率等参数,使工件熔化,形成特定的熔池。由于其独特的优点,已成功地应用于金银首饰加工及微、小型零件焊接中。

This welder is specially developed for laser welding of jewelry by Chinasky and mainly used in perforating and spot welding of gold and silver jewelry. The laser spot welding is an important aspect of laser process technology application. The spot welding process is thermal conduction, i.e. the laser radiation heats the surface of work piece, and the surface heat diffuses to the interior through thermal conduction and melts the work piece by controlling the width, energy, peak power and repeating frequency of laser pulse to form specific molten pool. Because of its unique advantage, it is widely used in the process of gold and silver jewelry and welding of mini and small parts.

### ● 应用领域:

广泛应用于航空、航天、体育用品、珠宝首饰、高尔夫球头、医疗器械、铝合金义齿、仪表、电子、机械加工、汽车等行业,特别用于金银首饰的补孔,点焊缝纹、镶嵌部件及爪脚部位等焊接。



GGHJ-GH系列  
光纤传输激光焊接机

### ● 机型简介:

光纤传输激光焊接机是将高能激光束耦合进入光纤,远距离传输后,通过准直镜准直为平行光,再聚焦于工件上实施焊接的一种激光焊接设备。对焊接难以接近的部位,施行柔性传输非接触焊接,具有更大的灵活性。激光束可实现时间和能量上的分光,能进行多光束同时加工,为更精密的焊接提供了条件。

The optical fiber transmission laser welder is a kind of laser welding equipment that couples the high energy laser beam into the optical fiber, collimates to parallel light by collimating lens after long distance transmission, and then focuses on the work piece to weld. For the positions hard to reach, implement flexible noncontact welding to have more flexibility. The laser beam can realize spectroscopy in time and energy and process multiple light beams simultaneously, making more precise welding possible.

### ● 主要应用行业:

应用于光通信器件、IT、医疗、电子、电池、光纤耦合器件、显像管电子枪、金属零件、手机振动马达、钟表精密零件、汽车钢片等的精密焊接。

Applied to optical communication, IT, medical, electronics, batteries, fiber-coupled devices, CRT electron gun, metal parts, mobile phone vibration motor, watches precision parts, automotive and other precision steel welding.



机型	GGHJ-D300/400/500
最大激光功率	300W/400W/500W
激光波长	1064nm
最大单脉冲能量	40J/60J/80J
激光焊接深度	≤4mm (视材料)
脉冲宽度	≤20ms
连击时激光焊接频率	≤100Hz
光斑尺寸可调范围	0.3-3.0mm
整机功率	≤14KW/16KW
电力需求	380V/三相/50Hz/60A
标配工作台最大承重	≤100Kg
工作台行程	200×200mm至1200×1200mm
工作台重复精度	±0.01mm
工作台定位精度	±0.02mm
瞄准定位	红光、CCD监视系统 (可选配旋转夹具)
冷却方式	水冷
主机外形尺寸	1600×800×1800mm

型号	GGHJ-DH200	GGHJ-DH300
最大激光功率	100W	150W
激光波长	1064nm	
激光电源功率	4KW	5KW
最大单脉冲能量	20J	30J
激光焊接最小熔池	0.1mm	
激光脉冲频率	≤15Hz	
激光脉冲宽度	≤20ms	
聚焦光斑直径	0.2-3.0mm	
焊接深度	0.05-2mm (视材料)	
电力需求	220V/单相/50Hz/40A	
主机外形尺寸	1000X480X1080mm	

型号	GGHJ-GH300
激光波长	1064nm
激光工作物质	Nd:YAG
最大单脉冲能量	50J
脉冲宽度	≤20ms
脉冲频率	≤80Hz
光纤芯径	0.4mm/0.6mm
最小焊斑直径	0.2mm
额定激光功率	300W/400W
整机功率	12KW/14KW
光纤输出数量	可能量分光和时分光,标配光纤1路,最多可达6路
冷却系统	水冷
供电	380V±10%/50Hz
外形尺寸	1200mm×600mm×1100mm
重量	300kg