



GGQG-GJ-500型 精密光纤激光切割机
GGQG-GJ-500 Precision optical fiber laser cutting machine



GGQG-GJ-800型 精密光纤激光切割机
GGQG-GJ-800 Precision optical fiber laser cutting machine

■ 产品介绍

GGQG-GJ系列精密光纤激光切割机是一款封闭式精密光纤激光切割机，可切割多种金属板材、管材、主要适用于切割碳钢、硅钢、不锈钢、钛合金、镀锌板、酸洗板、镀铝锌板、等多种金属材料的快速切割。采用国际先进的技术，运行成本低，切割质量好，加工效率高，高精度，高可靠性且操作软件功能强大，是加工小产品必备的先进柔性加工设备，是小幅面金属材料加工行业的首选机型。

■ Product Description

GGQG-GJ Precision optical fiber laser cutting machine is a closed type precision optical fiber laser cutting machine, cutting of various kinds of metal sheet, pipe, mainly used in cutting carbon steel, silicon steel, stainless steel, titanium alloy, galvanized plate, pickling plate, galvanized plate, many kinds of metal material cutting. Using international advanced technology, operating costs low, good cutting quality, high machining efficiency, high precision, high reliability and operating software features powerful is necessary for the processing of small products advanced and flexible processing equipment, is the preferred models of small format metal material processing industry.

■ 设备优势

- 1、卓越的光束质量：聚焦光斑更小，工作效率更高，加工质量更好；
- 2、极高的切割速度：是同等功率CO2激光切割机的2倍；
- 3、极高的稳定性：采用世界顶级的进口光纤激光器，性能稳定，关键部件使用寿命可达10万小时；
- 4、极高的光电转换效率：光纤激光切割机比CO2激光切割机光电转换效率高3倍，节能环保；

- 5、极低的使用成本：整机耗电量仅为同类CO2激光切割机的20-30%；
- 6、极低的维护成本：无激光器工作气体；光纤传输，无需反射镜片，可节约大量维护成本；
- 7、产品操作维护方便：光纤传输，无需调整光路；
- 8、超强的柔性导光效果：体积小，结构紧凑，易于柔性加工要求。
- 9、双路1.1KW离心风机抽除切割粉尘保持良好的工作环境，减少粉尘对人员和设备的伤害。

■ Equipment Advantages

1. excellent beam quality: focus light spot smaller, higher working efficiency, better processing quality;
2. high cutting speed: 2 times the same power CO2 laser cutting machine;
3. high stability: the use of the world's top imported fiber laser, stable performance, the key components of the service life of up to 100 thousand hours;
4. high electro-optic conversion efficiency: optical fiber laser cutting machine than the CO2 laser cutting mechanical and electrical light conversion efficiency of 3 times, energy saving and environmental protection;
5. very low cost of use: the power consumption of the whole machine is only similar 20-30% laser cutting machine Co2;
6. very low maintenance costs: no laser working gas, fiber transmission, no reflection lenses, can save a lot of maintenance costs;
7. product operation and maintenance is convenient: optical fiber transmission, no need to adjust the light path;
8. super flexible light guide effect: small size, compact structure, easy to flexible processing requirements.
9. two way 1.1KW centrifugal fan in addition to cutting the dust to maintain a good working environment, reduce dust on personnel and equipment damage.

型号参数(Model parameters)	GGQG-GJ-500	GGQG-GJ-800
激光输出功率(Laser output power)	500W	800W
激光波长(Laser wavelength)	1080 nm	1080 nm
激光介质(Laser medium)	YVO4	YVO4
光束质量(Beam quality)	<0.373mrad	<0.373mrad
最小线宽(Minimum line width)	≤0.15mm	≤0.15mm
最大空程速度(Maximum air velocity)	60m/min	60m/min
X轴最大行程(X axis Max stroke)	300mm	400mm
Y轴最大行程(Y axis Max stroke)	500mm	600mm
Z轴最大行程(Z axis Max stroke)	50-70mm	50-70mm
最大切割范围(XY轴)(Max cutting range(XY axis))	300mm × 500 mm	400mm × 600 mm
工作台轴向定位精度(Table axial positioning accuracy)	≤ ± 0.05mm/m	≤ ± 0.05mm/m
工作台重复定位精度(Table repeated positioning accuracy)	≤ ± 0.03mm/m	≤ ± 0.03mm/m
最大碳钢切割厚度(Maximum cutting thickness of carbon steel)	6mm(优质切割/High quality cutting 0.5-5mm)	8mm(优质切割/High quality cutting 0.5-6mm)
最大不锈钢切割厚度(Max stainless steel cutting thickness)	4mm(优质切割/High quality cutting 0.5-3mm)	6mm(优质切割/High quality cutting 0.5-5mm)
供电要求(Power supply requirements)	220V/50HZ 380V/50HZ	

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