

# QD-JG160 CNC Laser Grinding Machine

## 数控激光磨床



### Features | 特点

1. It is suitable for grinding or regrinding various types of superhard material cutting tools, such as PCD, MCD, CBN, etc. and can grind and regrind the turning tools and milling discs tools of welding forming.
2. Maximum machinable tool size: 0- $\phi$  200, length 200mm.
3. Using laser as the machining medium for cutting, combined with 5-axis linkage control, has high machining accuracy, stable machining, and machining efficiency more than 5 times higher than traditional machining.

- 适用于生产或修磨各类超硬材料刀具，如PCD、MCD、CBN等。以及焊接成形的车削刀具和铣削盘类刀具进行加工及修磨
- 最大可加工刀具尺寸：0- $\phi$ 200 长度200mm
- 使用激光作为加工介质进行切削，配合5轴联动控制，具有加工精度高，加工稳定，加工效率较传统加工高出5倍以上

### Specifications | 技术参数

Model机床型号	QD-JG160
Control system数控系统	固高GOOGOLTECH
Max. machinable tool diameter最大可加工刀具长度直径	$\phi$ 0.1~200mm
Max. machinable tool length最大可加工刀具长度	200mm
Precision of machining tool contour加工刀具轮廓精度	$\pm$ 0.005mm
Surface roughness of machining tools加工刀具表面粗糙度	Smooth and serrated surface under 200x microscope
Max. tool weight最大刀具重量	15Kg
A axis power A轴功率	0.42kw/200rpm/20 Nm
C axis power C轴功率	6kw /200rpm/300 Nm
Max. Laser power激光最大功率	200W
Total power of machine tool机床总功率	13.5kw
A/C axis rotation rangeA/C轴旋转范围 (A轴: $\pm$ 125° C轴: 0~360°)	A-axis: $\pm$ 125 ° C axis: 0~360 °
A-axis repeat positioning accuracyA轴重复定位精度	4 arc sec
C-axis repeat positioning accuracyC轴重复定位精度	2 arc sec
Linear axis positioning accuracy直线轴定位精度	$\pm$ 0.002mm
Linear axis repeat positioning accuracy直线轴重复定位精度	$\pm$ 0.001mm
Working table travel axis X-axis/Y-axis/Z-axis工作台行程X轴/Y轴/Z轴	X: 400 / Y: 450 / Z: 300
C-axis tool holder interfaceC轴刀座接口	HSKE63
Machine power supply机床电源	AC380V 50HZ three-phase
Machine weight机床重量	4T
Machine dimensions机床外形尺寸	1900x1900x2400mm