

MULTI-POSITION FIVE-AXIS POLISHING MACHINE

五轴数控抛光机YJ-WP1006A

本机器主要用于2.5D、3D、3.5D玻璃以及其它硬、脆材料的异形表面抛光、孔抛光。

设备为多工位封闭式高效曲面扫光五轴联动设备，上盘可同时安装不同的耗材，下盘工件盘采用整体摆动，同步旋转的工作方式。

This machine is mainly used for 2.5D, 3D, 3.5D glass and other hard and fragile materials of special-shaped surface polishing, hole polishing.



3D 玻璃



VR 眼镜镜片

设备特点

- 机器上盘六个抛光头分别独立驱动，采用集成的快换接口；
- 下盘有六个工位，下盘可整体摆动135度，每个工位能同步自转，在保证超大的加工范围同时，还能有效的保证产品周边扫光效果一致性；
- 切换不同产品时，通过自研算法，可实现自动切换工作模式；
- 机台前侧设有专用取放片工位，与工作区域隔离，操作更安全，效率更高；
- 采用全新的真空吸附结构和真空控制系统，能更自动化，精确化的控制每个工位的真空；
- 机器整体结构紧凑，运行平稳。通过同步轮来实现所有下载盘的自转，增加了机器的传动精度和平稳性；
- 机器采用自动排水结构，并安装自动清洗机及真空管道清洗功能，提高了机台的可维护性；
- 机器操作平面控制值1.2米左右，适应人群广泛；
- 上盘升降采用伺服电机加直线导轨抬升形式，实现抬升的平稳可靠；
- 运动控制系统，采用总线方式，有效的提高系统的动作响应能力；
- 上盘升降过程中，两端设有缓冲器，运行到两端时，有效降低工件的冲击力。

MAIN TECHNICAL FEATURES

- Six polishing head.
- There are six stations in the lower plate, the lower plate can swing 135 degrees as a whole.
- When switching different products, the working mode can be switched automatically through self-developed algorithm.
- Side before the machine is equipped with special take put location, no mechanical action, safe in operation and high efficiency.
- Adopt new vacuum adsorption structure and vacuum control system.
- Machine compact structure, smooth operation.
- The machine adopts automatic drainage structure, and installs automatic washing machine and vacuum pipe cleaning function, improves the maintainability of the machine.
- Machine operation plane control values of 1.2 meters, widely adapt to the crowd.
- The lifting of the upper plate adopts the lifting form of servo motor and linear guideway to realize the stability and reliability of lifting.
- The motion control system adopts bus mode.
- During the lifting process of the upper plate, buffers are arranged at both ends.

主要技术参数 MAIN TECHNICAL SPECIFICATIONS

项目/Items	规格/Specs
总功率(Power)	21kw
加工尺寸范围(Machining size range)	8寸(对角线/Diagonal line)
治具最大尺寸(Maximum size of fixture)	200×110
平台中心距(Platform center distance)	X:240
底座旋转角度(Base rotation angle)	360°
刀柄规格(Shank specification)	客制化参数内可选/可定制 (Optional within customized parameters/Customizable)
A轴摆动范围(A-axis swing range)	-90°~135°
刀具范围(Tool range)	φ80 ×50以内
磨头装夹方式(Grinding head clamping mode)	客制化参数内可选(Optional within customized parameters)
可加工玻璃类型(glass typer)	双面和曲面(Double-sided and curved surface)
定位精度(Positioning accuracy)	<0.15mm
重复精度(Repetitive precision)	<0.1mm
真空度(Vacuum degree)	-60Kpa
主轴及转速(Spindle and rotational speed)	0~6000r/min
机器外形尺寸(Size)	2600 x 1380 x 2200 (mm)
机器重量(Weight)	~3800kg