

DOUBLE SIDED LAPPING/POLISHING MACHINE

双面研磨/抛光机YJ-15B7LE/PE

本设备用于光学玻璃、视窗玻璃、陶瓷、蓝宝石等电子、光学材料的精密平面研磨/抛光；同时也适用于超薄、脆性材料制作的零件，如阀板、阀片、刚性密封垫、活塞环、石英晶体、玻璃、宝石、其它金属、非金属等的精密平面研磨/抛光。

The machine is used for precision plane grinding / polishing of electronic and optical materials such as optical glass, window glass, ceramics, sapphires, etc., as well as parts made of ultra-thin and brittle materials, such as valve plates, valve plates, rigid gaskets, piston rings, quartz crystals, glass, precious stones, other metals, non-metals, etc.



2D 玻璃



蓝宝石衬底

设备特点

- 采用三电机驱动，上盘、太阳轮由单独电机驱动，下盘和内齿圈由同一电机驱动；
- 太阳轮驱动齿轮增加定位销，齿数与太阳轮一致，方便精准定位；为自动化生产提供条件；
- 上盘加装压力传感器实时监控上盘压力；
- 上盘装置设置有机械的安全装置。保证在摆片、维修等状态下（上盘上升到顶时）不会因突然故障而下降，增加了安全性；
- 采用自动润滑装置，机器的轴承、齿轮啮合部位都可得到充分润滑，大大提高了整机的使用寿命；
- 设备出水口处配备水液转换装置，通过程序控制，自动分离清洗水及磨液，操作便捷。

MAIN TECHNICAL FEATURES

- Driven by 3 motors, the upper plate and the solar wheel are driven by a separate motor, and the lower disk and the inner gear ring are driven by the same motor.
- Increase the positioning pin for the sun drive gear, whose number of teeth is the same as that of the sun gear, which is convenient for accurate positioning and provides conditions for automatic production.
- The upper plate is equipped with pressure sensor to monitor the upper plate pressure.
- The upper plate device is equipped with a safety device, which will not drop due to sudden failure in the state of placement, maintenance, etc., thus increasing the safety.
- By using the automatic lubrication device, the bearings and gear meshing parts of the machine can be fully lubricated, which greatly improves the service life of the whole machine.
- The outlet of the equipment is equipped with water-liquid conversion device, which can automatically separate cleaning water and grinding liquid through program control, and the operation is convenient.

主要技术参数 MAIN TECHNICAL SPECIFICATIONS

项目/Items	规格/Specs
上、下盘尺寸(Upper 、 lower plate size)	Φ1091(±0.5)×φ510×40 mm
工件厚度(Thickness of workpiece)	最大(Max):20 mm
工件直径(Dimensions of workpiece)	最大(Max):φ280 mm
上、下盘转速(Upper 、 lower plate rotational speed)	0-60 rpm(上盘减速机需更换) (The upper reducer needs to be replaced)
内齿圈抬升行程 (Lifting stroke of inner gear ring)	0-25 mm
电源/耗电量(Power supply / Power consumption)	3相(phase)-380V / 19 KVA
气源/耗气量(Air supply / Air consumption)	0.45~0.65 Mpa / (9.5×N)L/H(N为每小时工作循环次数)
主机尺寸L×W×H(Size)	2200×1560×3100 mm
机器重量(Weight)	~3760 Kg
项目/Items	精度/Precision
上盘平面度(Upper plate flatness)	≤0.08 mm
上、下盘平行度(Parallelism of upper and lower plates)	上盘自带适应万向结构 (Upper plate with adaptive universal structure)
下盘跳动(Lower plate jumps)	≤0.08 mm
下盘平面度(Upper 、 lower plate rotational speed)	≤0.08 mm