

DOUBLE-SIDED LAPPING MACHINE

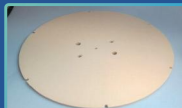
双端面研磨机YJ-SJM1200B

精密零件加工，实现高效磨削、高质量平面精度

Combines high-efficiency grinding with nanometer-level flatness for critical precision parts.



硬质合金刀片研磨
Tungsten Carbide Blade Grinding



陶瓷研磨
Ceramic grinding

设备特点

- 超精密磨削的国产化替代方案：基于反复测试的核心部件——高精密气控系统、非接触式在线测控单元及强力驱动技术；
- 模块化结构设计：磨盘集成热管理系统，装载不同耗材，实现恒温（±0.5℃）精密磨削、研磨、抛光；
- 设备兼具高研磨效率与高精度平面加工能力：平面度 < 1μm，等高精度 < 2μm。

MAIN TECHNICAL FEATURES

- Localization Alternative Solution:**
Core components developed through extensive testing – including a high-precision pneumatic control system, non-contact online measurement/control unit, and high-power drive technology.
- Modular Structural Design:**
Integrated thermal management system for the grinding disc, compatible with various consumables to achieve precision grinding, lapping, and polishing under constant temperature (±0.5℃).
- High Efficiency and Precision:**
Combines high grinding efficiency with ultra-precision flat surface processing capabilities: Flatness: <1 μm, Height consistency: <2 μm.

主要技术参数 MAIN TECHNICAL SPECIFICATIONS

项目/Items	规格/Specs
上(下)盘尺寸/Upper(Lower) plate size	Φ1200mm
盘宽/ Ring width	334mm
游星轮数量/Number of carriers	6
最大工件直径/厚度/Max. dimensions/thickness of workpiece	Φ330mm/80mm
上(下)盘转速/Upper(Lower) plate rotational speed	0~120RPM
太阳轮转速/Sun gear rotational speed	0~80RPM
上盘电机/下盘电机Upper plate motor/Lower plate motor	伺服34KW 3000rpm/伺服34KW 3000rpm
太阳轮电机/Sun gear motor	伺服6KW 3000rpm
上盘压力范围/Upper plate pressure range	0~1200Kg
电源/耗电量/Power supply/Power consumption	3相-380V/~75KVA
气源/耗气量/Air supply/Air consumption	0.5~0.6Mpa/(11xN)L/H(N为每小时循环工作次数)
设备尺寸/Equipment size	3693×3130×2700mm
机器重量/Weight	~10000kg