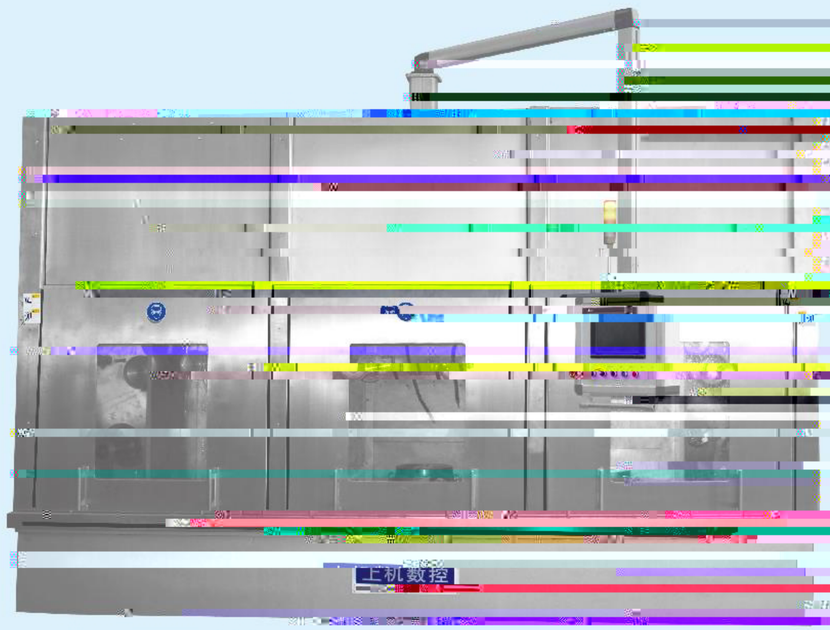
WSK031

数控蓝宝石多工位单线切割机

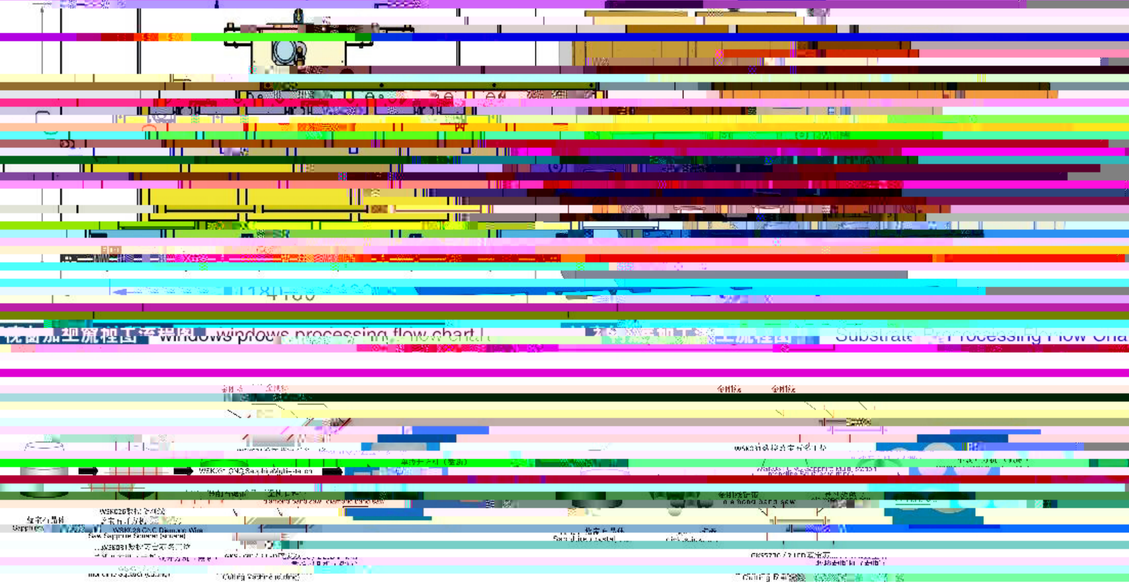
WSK031 CNC Sapphire Multi Station Monoline Squarer



技术规格参数 Specifications and Technical Parameters

外形规格Outline dimensions	φ500x500x1000mm
工件重量Weight	≤250Kg/件
主要参数Main parameters	
金刚线线径Diameter of diamond wire	φ0.20或0.25x0.15mm
工位数量NO. of station	根据客户要求而定
工件台速度Speed of worktable	
加速度Acceleration	(max)
线速度Line speed	30m/s(max)
摇摆角度Swing angle	±8°
摇摆速度Swing speed	25次/分
工件晶向Workpiece crystal orientation	360°/90°
切割方向Slicing orientation	前进或后退切割，双向可运行切割
	Forward and backward cutting, two-way exchange cutting
电源供给及配套设施Power supply and matched facility	380V
电源要求Requirement of power	电压voltage：380V；频率frequency：50Hz
冷却水流入温度Cooling water	10℃-20℃
加工环境温度Environmental temperature	15℃-25℃

设备局部图 Local pictures



机床用途与性能特点 Main Applications and Features

- 本设备为多线单线切割机，主要用于LED蓝宝石晶体的切割，是新能源的主要配套设备；
- 采用国外进口数控系统，人机友好界面，操作简单；
- 设备布局合理，机械强度高且热稳定性好，整体外观采用全封闭不锈钢设计；
- 摇摆单元优化了金刚线切割蓝宝石的性能，缩短了切割时间，并提高了晶锭的端面质量，减少消耗数量的设计，更有效地降低线耗、消耗轮等材料；
- 设备采用三工位，可同时切割不同的蓝宝石晶体，也能独立控制每个工位，切割速度也可不同；
- 采用一台伺服电机带动三个工位，节线50%，同时也能使用多线切割的旧线来切；
- 优化张力控制系统，利用高张力切割，保证了切割的质量和效率；
- 采用三工位旋转工作台，多方位调节晶向，单一平面布线等方案；
- 采用整体式设计，配备留刺留水箱，外观美观且内部整洁。

Main Applications and Features

- This equipment is diamond monoline squarer, applied in processing LED sapphire ingots, which is the main equipment for new energy industry.
- Apply abroad imported CNC control system, friendly human-computer interface, easy to operate.
- Reasonable layout, high mechanical strength and perfect thermal stability. Overall appearance design.
- Swing unit optimizes performance of cutting sapphire, shortening time, and improving end face quality of ingots, reducing quantity of wires, which decreases consumables such as wire, pulley.
- Apply tree-station, slicing different sapphire ingots simultaneously, or control each station separately, speed can also be different.
- Apply one set of retractable cable to drive 3 stations, save 50% wire, and be able to use old wire used in multi-line as well.
- Optimize tension of cutting system, high efficiency of cutting.
- Apply three-station rotary worktable, adjust crystal orientation on multi-aspect. Single plane wiring program.
- Apply overall design, matched with water tank for sucking debris, appearance beautiful and clean inside.

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