

技术规格参数 | Specifications and Technical Parameters |

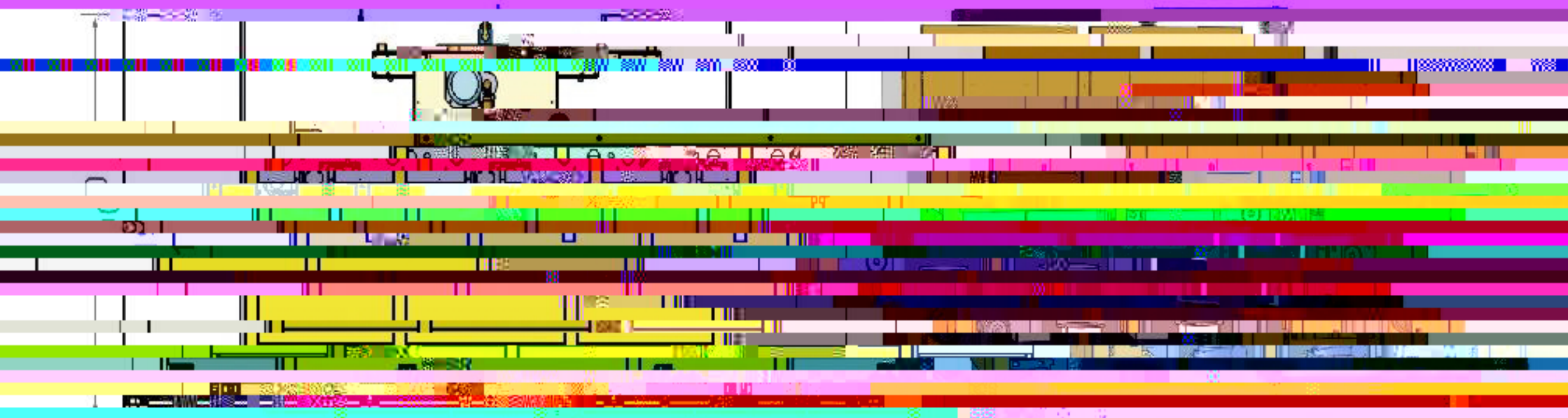


数控蓝宝石多工位单线切割机
WSK031 CNC Sapphire Multi Station Monoline Squarer



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| 技术规格参数 Specifications | 工作重量 Weight | <250kg/件 |
| 主要参数 Main parameters | 金刚线规格 Diameter of diamond wire | Φ0.20~Φ1.5mm |
| | 工位数量 NO. of station | 相适配于切割长度 |
| | 切割速度 Speed of worktable movement | |
| | 加速度 Acceleration | (定制) (mm/s²) |
| | 线速度 Wire speed | 0~2000m/min |
| | 摇摆速度 Swing speed | 0~8°/s |
| | 切割方向 Slicing orientation | 前进或后退切割 双向均适用 |
| | 电源供给及配套设施 Power supply and matchbed facility | |
| | 电压要求 Requirement of power | 电压 voltage: 380V, 频率 frequency: 50Hz |
| | 冷却水流入温度 Cooling water | 10°C~20°C |
| | 环境温度 Ambient temperature | 15°C~25°C |

设备流程图 | Device Input wire



Substrate Processing Flow



机床用途与性能特点

- 本设备为全自动化单线切割机，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，操作方便。
- 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，节约成本。
- 设备采用三工位，可同时切割不同的蓝宝石晶体，并能独立控制每个工位，切割速度也可不同。
- 采用一体式旋转工作台，多工位有1个转向，单一平面布线等方案。
- 采用整体式设计，配备切割用水箱，外观美观且易清洁。

Main Applications and Characteristics

- 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 operation.
- Reasonable layout, high mechanical strength and good thermal stability, overall appearance stainless steel design.
- Swing unit optimizes performance of sapphire, shortening time and improving end face quality of ingots, reducing quantity of consumables such as diamond wire.
- Apply three-station, slicing different sapphire ingots simultaneously, or control each station separately, cutting speed can be different.
- Apply one set of retractable table drives 3 stations save 50% wire, and be able to use old wire used in multi-line as well.
- Optimize tension of diamond wire.
- Apply one set in one station rotate worktable, guard crystal orientation on multi-aspect. Single plane wiring program.
- Apply overall design, match with water tank for cooling, beautiful appearance and easy to clean.