

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

技术规格 Specifications

工件重量 Workpiece

<250kg/件

主要参数 Main parameters

金刚线规格 Size of diamond wire 200m/23-11.5mm

工位数量 NO. of station 1

相贯线切割面

特殊功能 Special work functions

加速度 Acceleration 1000mm/s²

1000mm/s²

线速度 Line speed 2000mm/min

2000mm/min

摇摆速度 Swing speed 1000mm/min

1000mm/min

工件重量 Workpiece weight

<250kg/件

切割方向 Slicing orientation

前进或后退切割双向均与线切割

电源供给及配套设施 Power supply and facilities

电压 voltage: 380V 频率 frequency: 50Hz

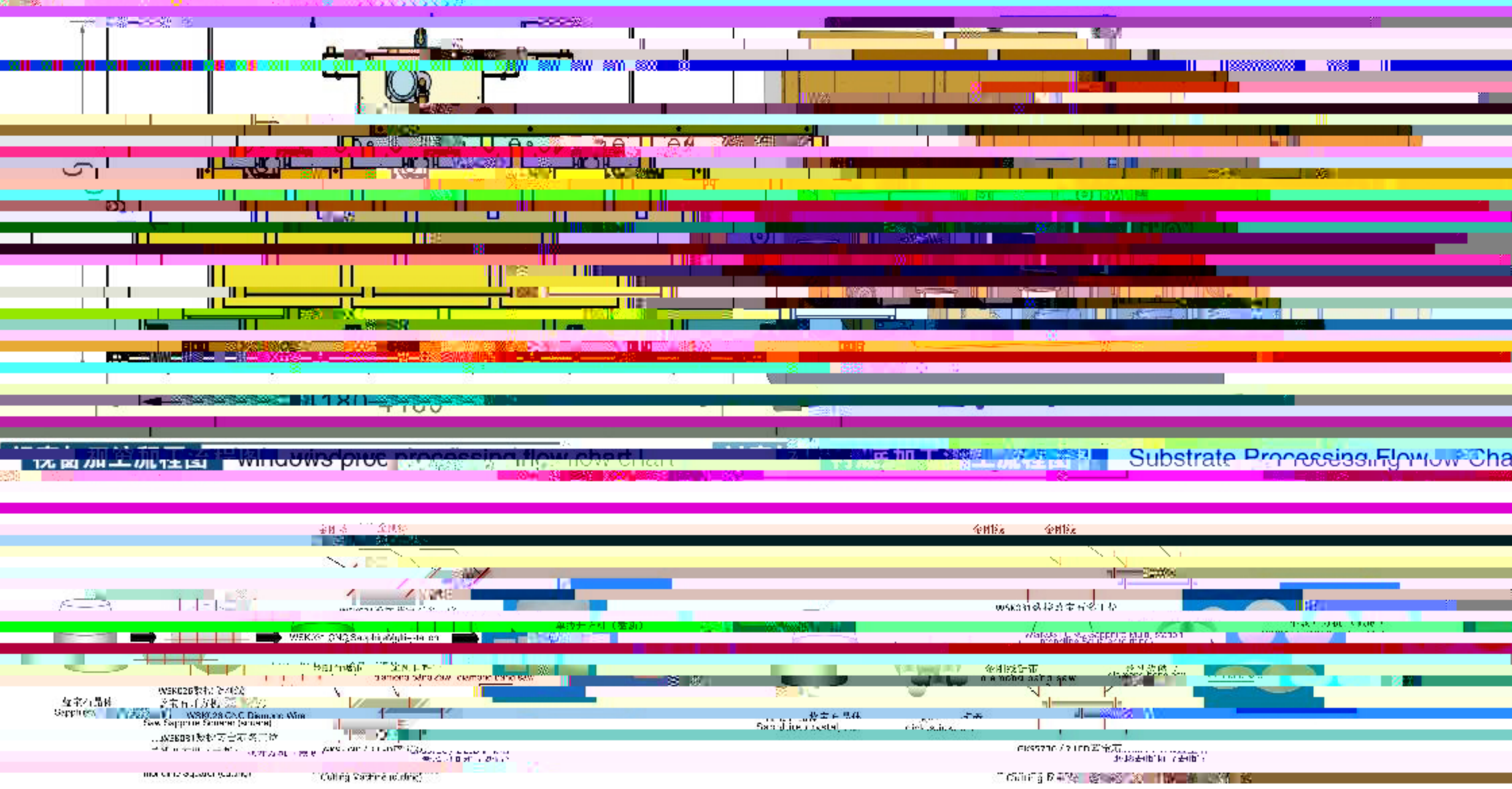
冷却水流入温度 Cooling water temperature

10℃-20℃

环境温度 Environment temperature

15℃-25℃

设备布局 Equipment layout



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

- 本设备为金刚线单线切割机，主要用于蓝宝石晶体的切割，是新能源的主要配套设备。
- 采用国外进口数控系统，加工精度高，运行稳定。
- 设备布局合理，机械强度高，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、消耗材料。
- 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；
- 采用一套张紧系统同时控制三个工位，张紧力均匀，同时也能使用多线切割。
- 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，多工位双向切割，单一平面切割等方案；
- 采用整体式设计，配备切割用水箱，外观美观且易维护。

- 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, highly human-computer interface, stable operation.
- Reasonable layout, high mechanical strength and perfect thermal stability, overall appearance.
- Swing unit optimizes performance of slicing sapphire, shortening time, and improving end face quality of ingots, reducing quantity of consumables.
- Apply three-station, slicing different sapphire ingots simultaneously, or control each station separately, speed of swing and inclination are different.
- Apply one set of retractable cable driven 3 stations, save 50% wire, and be able to use old wire used in multi-line as well.
- Optimize tension of wire, ensure the quality of cutting.
- Apply three-station rotary worktable, guards crystal orientation on multi-aspect. Single plane wiring program.
- Apply overall design, matched with water tank for cooling, beautiful appearance and easy maintenance.