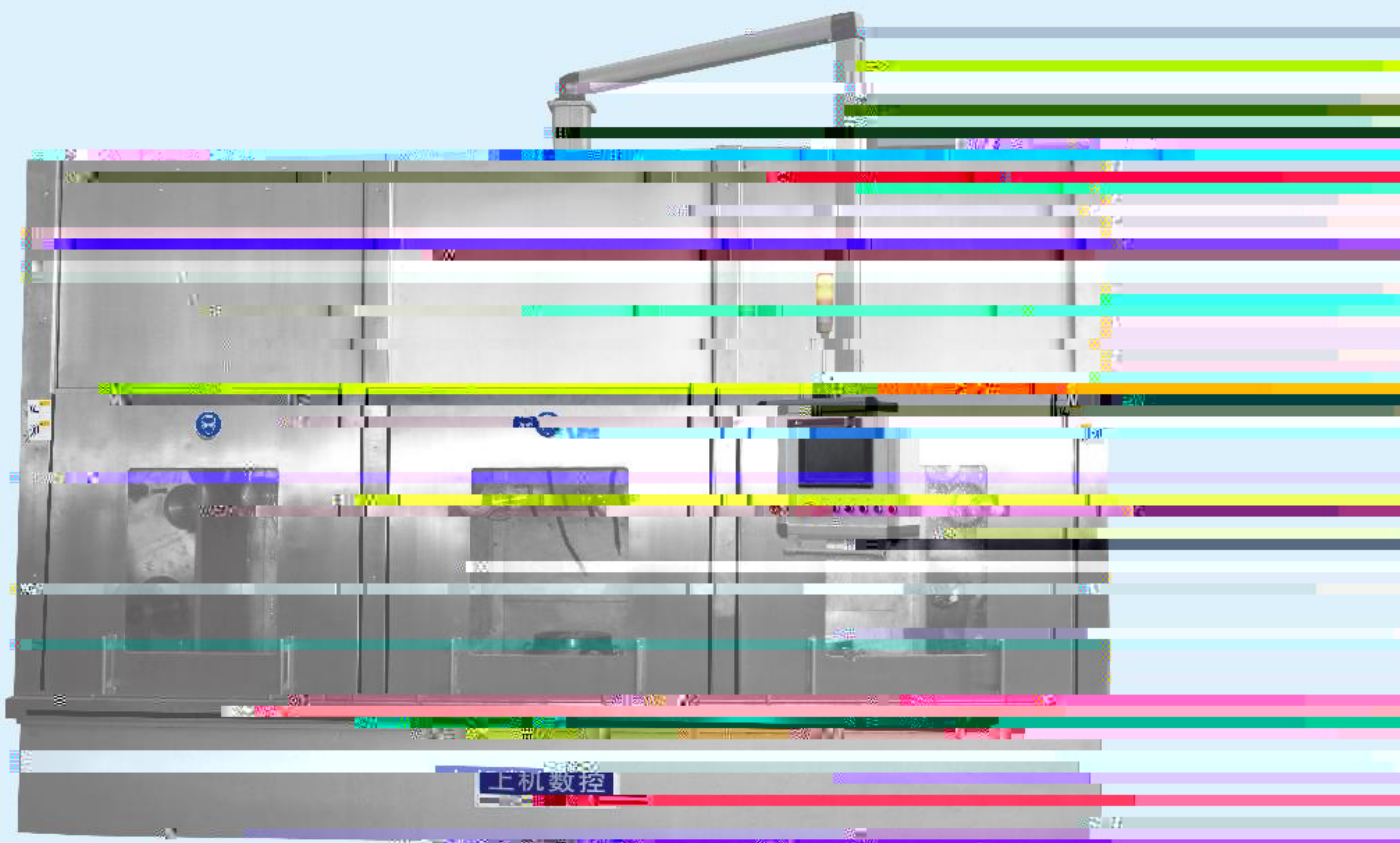


技术规格参数 | Specifications and Technical Parameters |

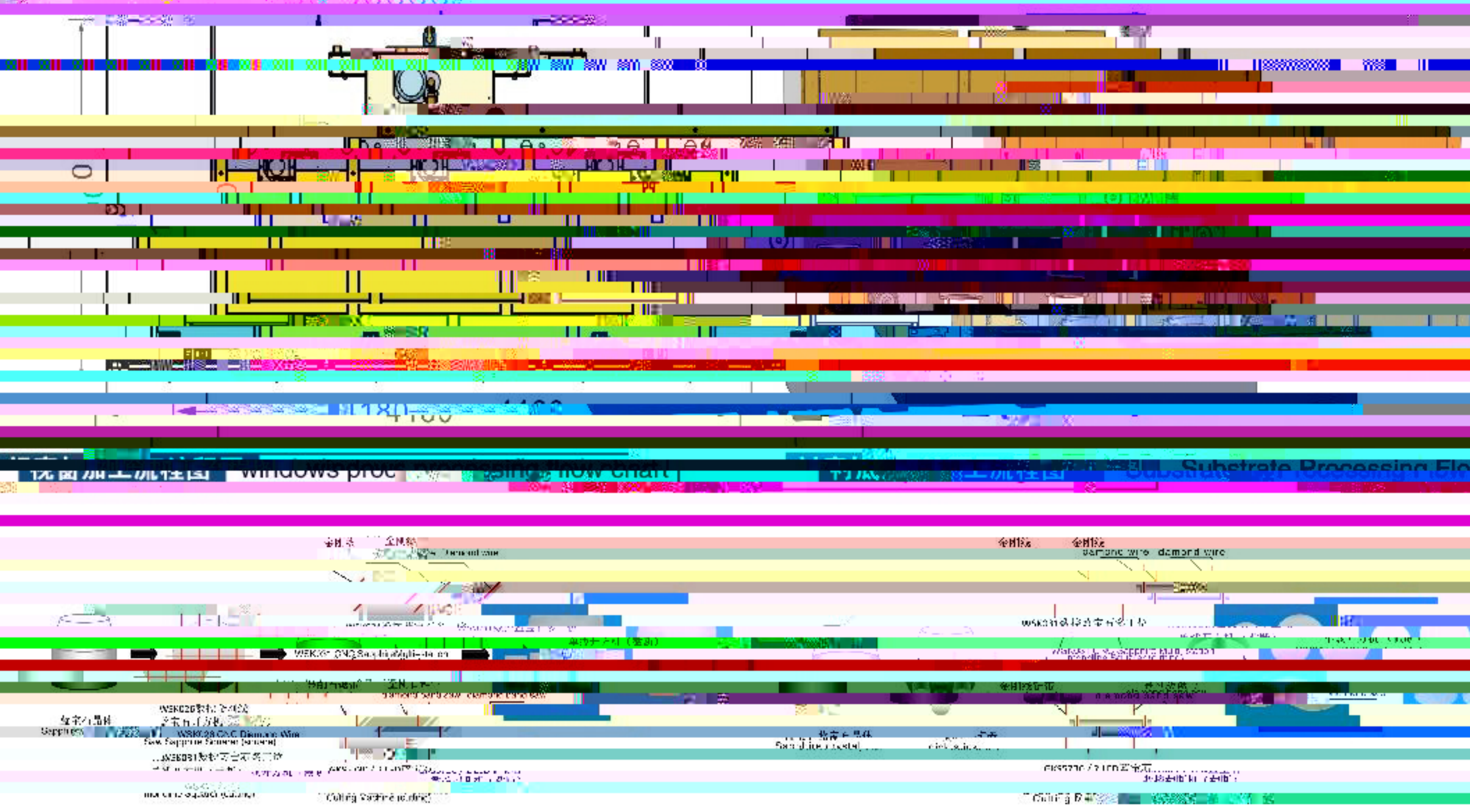
WSK031

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	主要参数 Main Parameters
工件规格 Workpiece	工件重量 Workpiece Weight
主要参数 Main Parameters	主要参数 Main Parameters
切割线规格 Diameter of diamond wire	切割线规格 Diameter of diamond wire
工位数量 NO. of station	工位数量 NO. of station
工件分度 Workpiece rotation	工件分度 Workpiece rotation
加速度 Acceleration	加速度 Acceleration
线速 Line speed	线速 Line speed
摇摆角度 Swing angle	摇摆角度 Swing angle
摇摆速度 Swing speed	摇摆速度 Swing speed
工件分度 Workpiece rotation	工件分度 Workpiece rotation
切割方向 Slicing orientation	切割方向 Slicing orientation
电源供给及配套设施 Power supply and match facility	电源供给及配套设施 Power supply and match facility
电压要求 Requirement of power	电压要求 Requirement of power
冷却水流入温度 Cooling water	冷却水流入温度 Cooling water
环境温湿度 Environmental temperature	环境温湿度 Environmental temperature

设备流程图 | Flowchart of the equipment



机床用途与性能特点

- 本设备为全数控单线切割机，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，控制精度高，运行稳定。
- 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式不锈钢设计。
- 摇摆单元优化了金刚石切割线的性能，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，清除砂轮。
- 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。
- 采用一套收放线机构对每站独立分位，位置精确，且能使用多线切割，节约成本。
- 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，多工位有正反转，单一平面布线等方案。
- 采用整体式设计，配备割割刮水装置，外观美观且内部整洁。

主要用途和性能特点

- 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 accurate control, stable operation.
- Reasonable layout, high mechanical strength and good thermal stability, overall appearance using all-enclosed stainless steel design.
- Swing unit optimizes performance of diamond wire, shortening time, and improving end-face quality of ingots, reducing the number of consumption, effectively reducing wire consumption, clearing the wheel.
- Apply three-station, slicing different sapphire ingots simultaneously, or control each station separately.
- Apply one set of retractable cable driven stations, save 50% wire, and be able to use old wire used in multi-line as well.
- Optimize tension control system, ensure high tension cutting, ensure cutting quality and efficiency.
- Apply three-station rotary worktable, multi-station has positive and negative rotation, single plane wiring and other solutions.
- Apply overall design, equipped with water scraper, beautiful appearance and clean inside.