

# WSK060

## 蓝宝石切割机

WSK060 Sapphire Cutting Machine



NEW ENERGY SEPTESQUARTETTES - SEMI-AUTOMATIC PARTS FINISHING MACHINE

### 主要规格参数 Specifications and technical parameters

规格 Specification	500mm (20in)
长度 Length	800mm
厚度 Thickness	>0.2mm

### 主要参数 Main parameters

导轮直径 Guide wheel diameter	220mm
导轮轴距 Guide wheel base	440mm
导轮长度 Guide wheel length	330mm
切割速度 Cutting speed	1500mm/min
切割精度 Cutting accuracy	±0.01mm (±0.0004in)
摇摆角度 Swinging angle	±12°
切割方向 Cutting direction	双向 (可逆) Bidirectional (reversible)
存储线盘 Storage wire wheels	300mm
水帘容量 Water tank capacity	220L

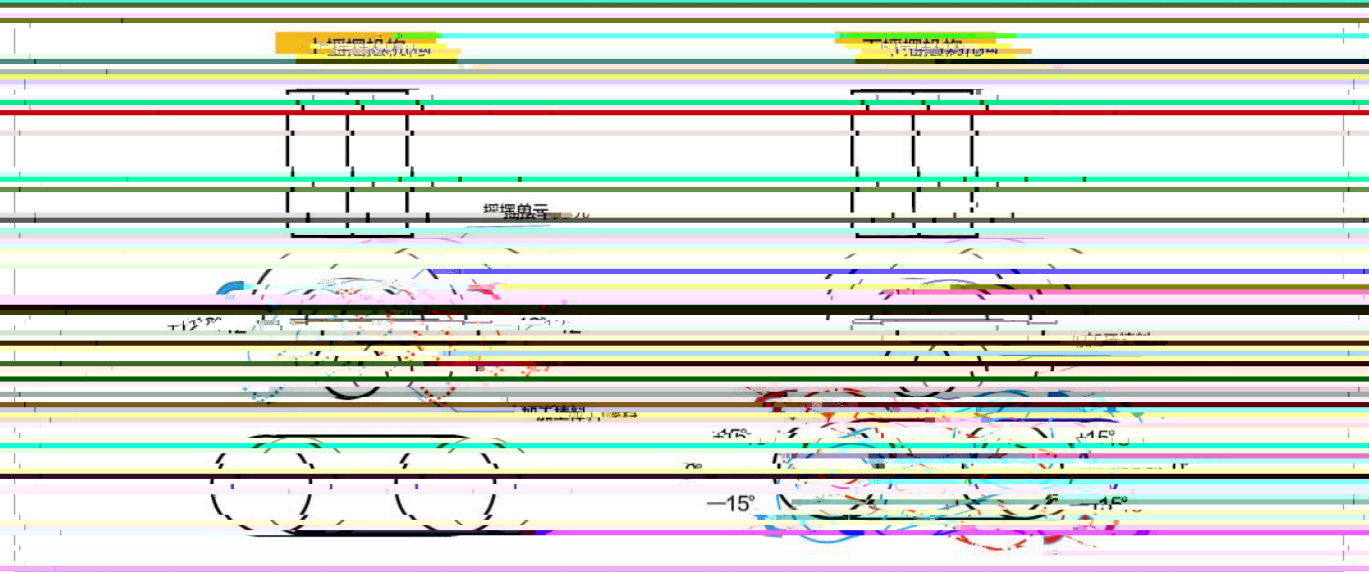
### 能源规格 Energy specification

电源连接 Power connection	220/380V, 3PH, 50/60Hz
额定功率 Rated power	35kW
环境温度 Ambient temperature	12-17°C

### 外形尺寸 External dimensions

机床外形尺寸 Machine size (mm)	4600x2200x2300mm
机床重量 Weight	12000kg

### 示意图 Schematic



### 设备用途与性能特点

- 本机适用于自动切割长条、坚硬、易脆材料，使用金刚石工具，切割硅、锗、石英玻璃、陶瓷、蓝宝石晶体等。
- 机床所有电器元件均采用国际知名品牌，保证机床的稳定性。
- 采用西门子的温度控制，控制精度高。
- 电控柜配备温度监控系统，保证设备安全运行。
- 设备具备摇摆功能，可实现精确控制切割位置，提高切割精度，缩短了切割时间，并提高了晶片的产量。
- 滑轮数量最少化设计（仅6个滑轮），减少切割时的摩擦。

### 产品特点 Product features

- This machine is used for automatic cutting of long, hard and brittle materials, using diamond tools, cutting silicon, germanium, quartz, glass, ceramics, sapphire crystals, etc.
- All electrical components are of international and famous brands to ensure the stability of the machine.
- Apply integrated PLC of SIEMENS controller, controlling accuracy is high.
- The electric control cabinet is equipped with independent temperature control system to ensure the stable operation of the machine.
- The equipment has a swinging function to accurately control the cutting position, shorten the cutting time, and improve the yield of the crystal.
- Minimal design of rollers (only 6 rollers) to reduce friction during cutting.