

WSK060

蓝宝石切片机

WSK060 Sapphire Slicing Machine



设备用途与性能特征

- 本机床用于自动切割长条、坚硬、易脆材质，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国内知名品牌，保证机床的稳定性。
- 采用西门子控制技术的一体化PC机，15"触控屏
- 电控柜配备独立温控系统，保证各控制元件正常工作；
- 设备具备摇摆功能，双支撑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，并提高了晶片的质量。
- 滑轮数量最少化设计（仅6个滑轮），减少刚线扭曲和疲劳

Application and features

- This machine is used for automatically cutting long, hard and brittle materials, using diamond tools to cut silicon, germanium, quartz glass, ceramics, sapphire crystals, etc.
- All electrical components apply international and domestic outstanding brands to ensure the stability of the machine.
- Apply integrated PC of SIEMENS simotion controlling system, 15" touch screen
- The electric control cabinet is equipped with independent temperature control system to ensure the normal operation of each control component;
- The equipment features swinging function, and the dual-support swinging function unit optimizes the performance of diamond wire-cut sapphire, shortens the cutting time, and improves the wafer quality.
- Minimal design number of pulleys (only 6 pulleys) to reduce the wire distortion and fatigue

技术规格参数 Specifications and Technical Parameters

规格 Specification	6inches (max)
长度 Length	600mm
厚度 Thickness	>0.2mm

主要参数 main parameter

导轮直径Guide wheel diameter	220mm
导轮轴距Guide wheelbase	440mm
导轮长度 Guide wheel length	660mm
线速度 Line speed	30m/s (max)
进给速率Feed rate	0.01mm-200mm/min
摇摆角度Swinging angle	±12°
切割方向Cutting direction	前进或后退切割/双向切割 forward or reverse cutting/two-way cutting
存储线匝storage wire wheels	≥200km
水箱容量water tank capacity	≤200L

能源供给 power supply

电源连接 power connection	220/380V, 3PH, 50HZ
平均功率Average power	35Kw
冷却水温Cooling Water	12 ~ 17°C

外形尺寸 outline size

机床外形尺寸（长×宽×高） equipment size (L*W*H)	4600×2100×3200mm
机床重量 weight	≈ 12000kg

示意图 sketch

