WSK000
蓝宝石切片机
WSK000 Sapphire Slicing Machine



主要技术参数 Specifications and Technical Parameters

规格 Specification	6inches（max）
长度 Length	500mm
厚度 Thickness	>0.2mm

主要参数 Main Parameters

导轮直径 Guide wheel diameter	220mm
导轮轴距 Guide wheelbase	440mm
导轮长度 Guide wheel length	999mm
线速 Line speed	0-50m/s
进给速率 Feed rate	0.01mm-2.0mm/min
摇摆角度 Swinging angle	±3°
切割方向 Cutting direction	可双向往复切割 Forward and reverse cutting
存储线径 Storage wire diameter	0.18mm
储线量 Wire storage capacity	300km

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 Cooling water	10-15℃

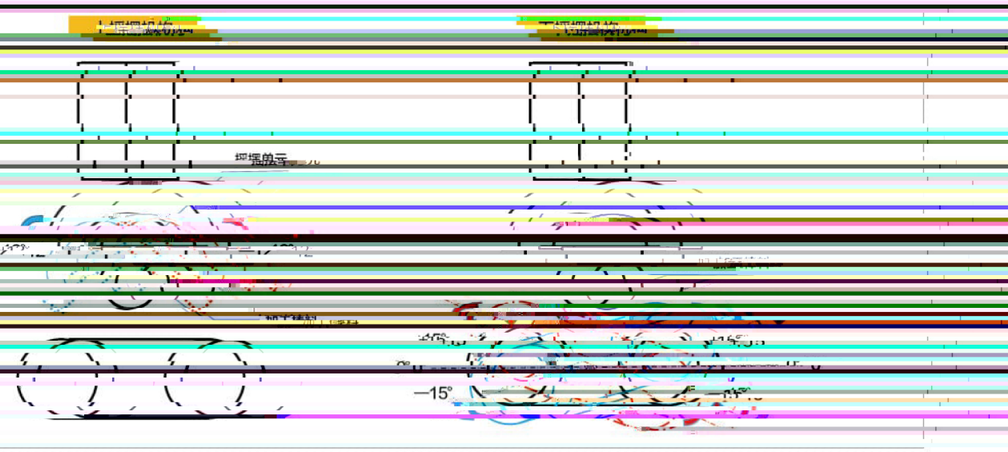
外形尺寸 Dimensions

外形尺寸（长×宽×高） Dimensions（L×W×H）	1600×1200×2000mm
机床重量 Weight	~1200kg

设备用途与性能特点 Applications and Features

- 本机床适用于各种硬脆材料，如：蓝宝石、碳化硅、氮化镓、砷化镓、硅、锗、石英玻璃、陶瓷、红宝石等材料的切割。
- This machine is suitable for various hard and brittle materials, such as: sapphire, silicon carbide, gallium nitride, gallium arsenide, silicon, germanium, quartz glass, ceramics, sapphire crystals, etc.
- 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。
- All electrical components apply international and domestic well-known brands to ensure the stability of the machine.
- 采用西门子控制技术的一体化PC和15"触摸屏。
- Apply integrated PC of SIEMENS simation controlling system and 15"touch screen.
- 电控柜配备独立温控系统，保证正常操作环境。
- The electric control cabinet is equipped with independent temperature control system to ensure the normal operation of the control cabinet.
- 设备具备摇摆功能，双向往复切割，可优化金刚线对蓝宝石的切割性能，缩短了切割时间，并提高了晶片的质量。
- The equipment has swinging function and bi-directional reciprocating cutting function, which optimizes the performance of diamond wire cut sapphire, shortens the cutting time, and improves the wafer quality.
- 滑轮数量最少化设计（仅6个滑轮），减少钢线的弯曲疲劳。
- Minimal design number of pulleys (only 6 pulleys), reduces the wire bend distortion and fatigue.

示意图 Sketch



由于产品不断改进，本资料中的内容可能随时更改，恕不另行通知。
As products are improving constantly, the above information is only for reference purpose. We reserve the right of modification without notification, we company reserves the right of final explanation.