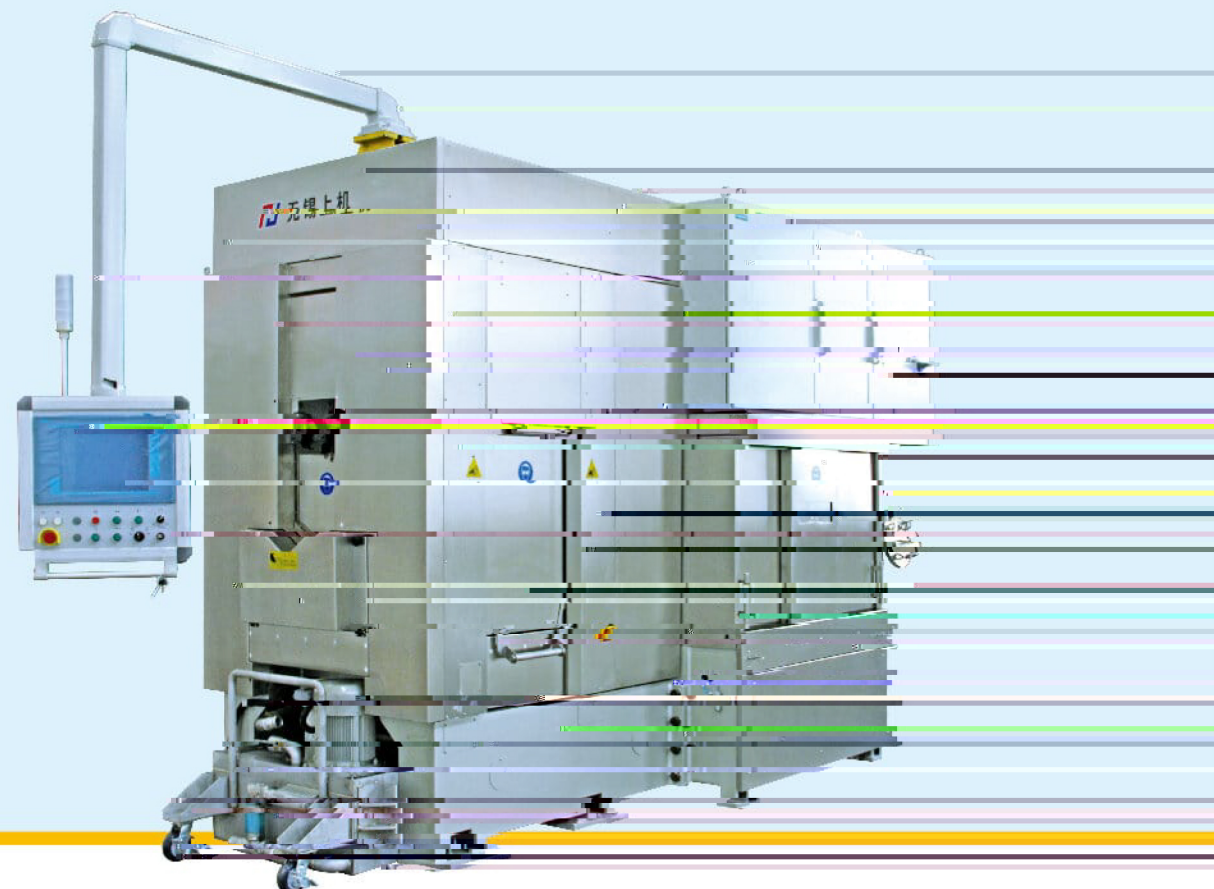


WSK060

蓝宝石切片机

WSK060 Sapphire Slicing Machine



技术规格参数 Specifications and Technical Parameters

规格 Specification	6 inches (max)
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	600mm
线速度 wire speed	5000m/min
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
存储线盘 storage wire wheels	>2000个
水箱容量 water tank capacity	200L

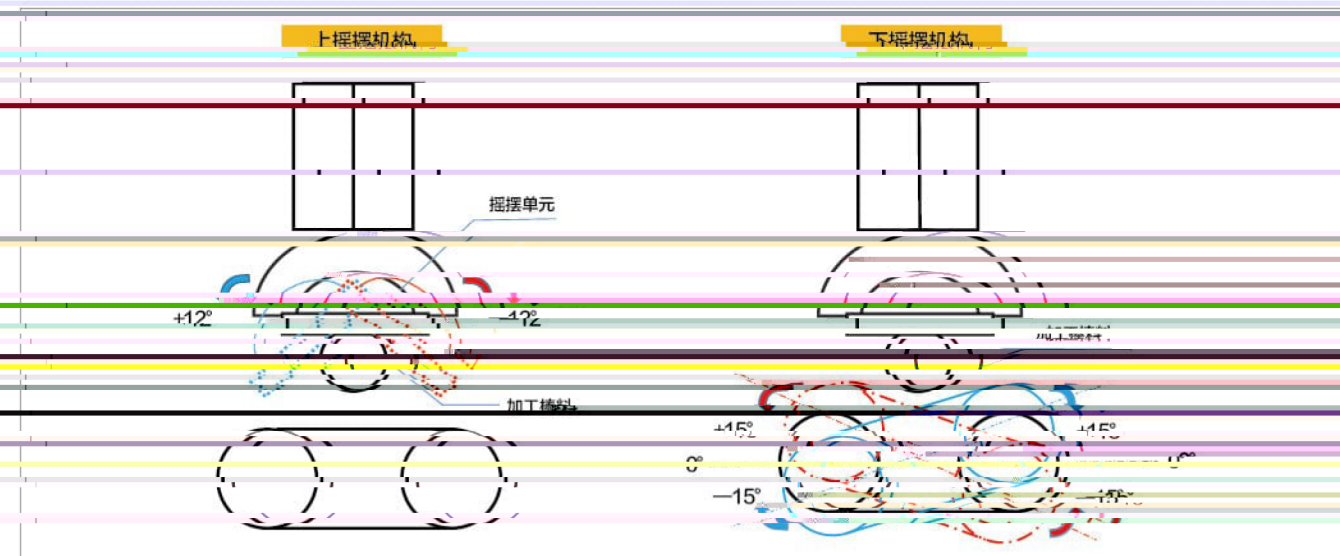
能源供给 power supply

电源电压 power voltage	220V/380V, 50Hz, 300A
平均功率 Average power	35kw
冷却水温 cooling water	12-17℃

外形尺寸 outside size

机床外形尺寸 (长*宽*高) equipment size (mm)	2600x2000x2200mm
机床重量 weight	≈ 12000kg

示意图 Schematic



设备用途与性能特征

- 本机床用于自动切割长条型坚硬易脆材料，如蓝宝石、陶瓷、硅、锗、石英玻璃、陶瓷、蓝宝石晶体等。
This machine is used for automatic cutting of long, hard, and brittle materials, using diamond tools to cut 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 outstanding brands to ensure the stability of the machine.
- 采用西门子的控制技术，一体化PC机，15"触摸屏。
Apply integrated PC of SIEMENS simotion controlling system, 15" touch screen.
- 电控柜配备独立温控系统，保证各控制元件正常工作。
The electric control cabinet is equipped with independent temperature control system to ensure the normal operation of each control component.
- 设备具备摇摆功能，双支撑摇摆单元优化了金刚石切割蓝宝石的性能，缩短了切割时间，并提高了晶片的质量。
The equipment features swinging function, and the dual-support swinging function unit optimizes the performance of diamond wire saw, shortens the cutting time, and improves the quality of the chip.
- 滑轮数量最少化设计（仅6个滑轮），减少刚线扭曲和疲劳。
Minimal design number of pulleys (only 6 pulleys) to reduce wire distortion and fatigue.