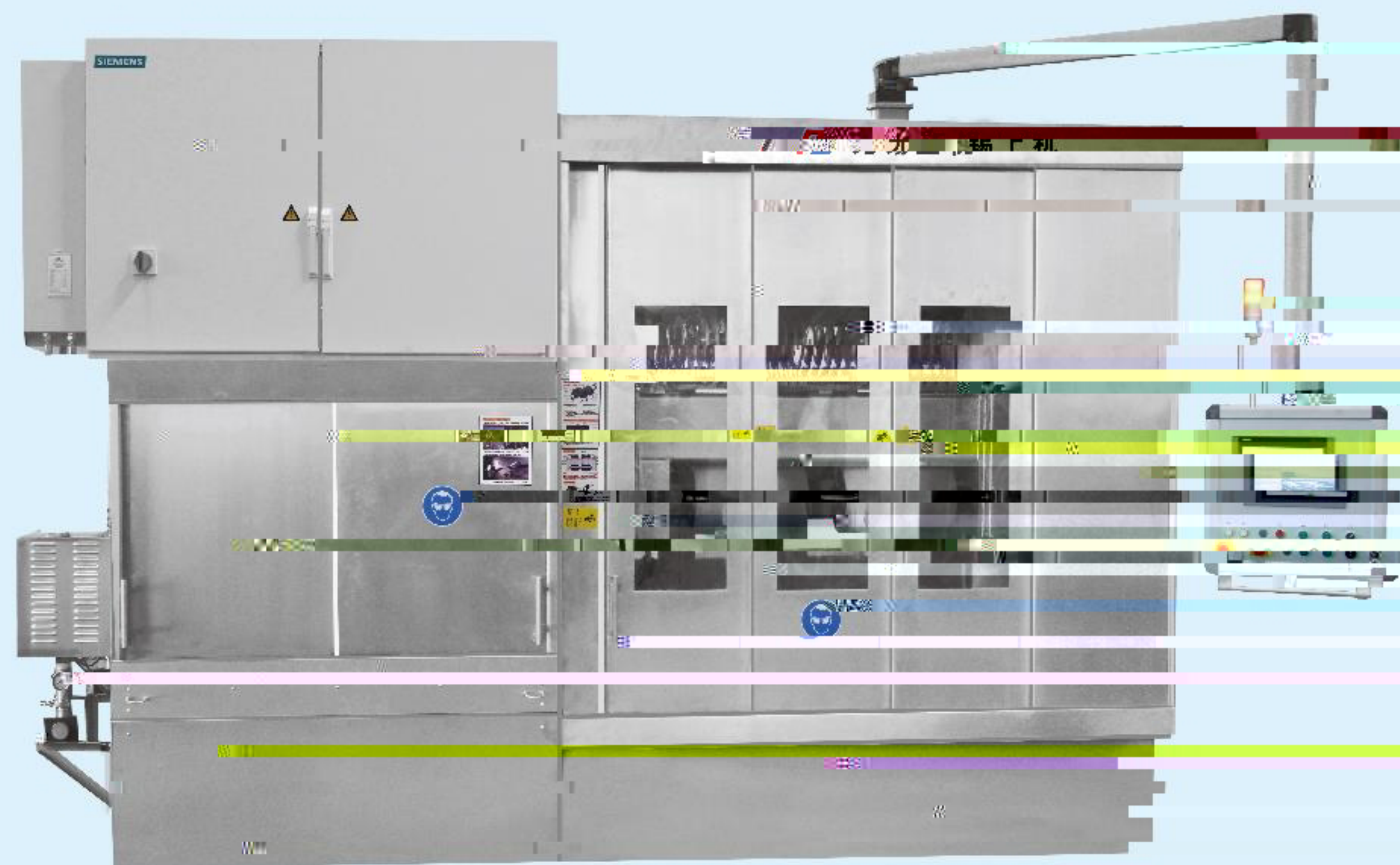


WSK026

数控金刚线蓝宝石开方机

WSK026 CNC cylindrical plain grinding machine for sapphire



加工工件参数Work piece parameters

工件规格Work piece size

工件重量Work piece weight

主要参数Main parameters

金刚线规格Diamond wire specification

金刚线数量Quantity of parallel wire

线间距Space between wire

工件转速Work rotation speed

加速速度Acceleration

线速度Line speed

摇摆角度Swing angle

摇摆速度Swing speed

工件朝向Work piece orientation

切割方向Slicing orientation

电源供给及配置Power supply and configuration

电源要求Requirement of power

冷却水流量要求Cooling water

周围环境温度Environment temperature

设备切割示意图 Cutting sketch map

- 本设备为金刚线多线开方机，主要应用于新能源行业LED蓝宝石锭的开方、切视窗片以及半导体行业硅棒、多晶硅锭的平方，是新能源的主要配套设备。
- 采用西门子控制技术的机电一体化设计，15"触摸屏。
- 设备布局合理，机械强度高且稳定性好，整体外观采用全封闭不锈钢设计。
- 摇摆单元设计三个不同规格切割功率的单元，节省了占地面积，并提高了晶锭的端面质量，减少砂轮数量的设计，更有效地降低线耗、降低材料。

- 模块化组合，上下工作台都可进行360°的旋转，方便切出任意尺寸。
- 通过调整切割轮上的线宽，方便切割各种尺寸的来料。
- 优化设计，提高生产效率，降低能耗。
- 利用操作手柄，可以快速布置线网，缩短了设备待料时间，减少人员管理成本。
- 采用双工位，多方位调节，以及灵活的线网布置，可应用于蓝宝石的开方以及切片和倒角，切割视窗玻璃等功能。

- This equipment is diamond wire saw squarer, applied in new Energy industry, processing LED sapphire ingots, cutting windows and used in semi-conductor industry, squaring silicon round bar and polysilicon rods, which is the main equipment for new energy industry.
- Apply integrated PLC and HMI touch screen system, 15" touch screen.
- Reasonable layout, high mechanical strength and perfect thermal stability. Overall appearance applies full-closed stainless steel design.
- Swing unit optimizes performance of slicing sapphire, saving time and improving end-face quality of ingots, reducing quantity of pulleys, which reduces consumption of parallel wire and pulleys.
- One equipment can not only square and slice, but also slice single and slice can be combined as modularization in upper and lower worktable. Worktable can rotate 360°, crystal ingots can be square and slice whatever size.
- By regulating depth or wire on cutting wheel, wire can cover size of block.
- Optimize tension control system, high-tension slicing, ensuring quality and efficiency of squaring.
- Use operating handle, fast layout cable, shortening time of standby and reducing management cost.
- Apply double station, adjust crystal orientation and non-directional aspect.
- Flexible layout and used in squaring, slicing and cutting.

