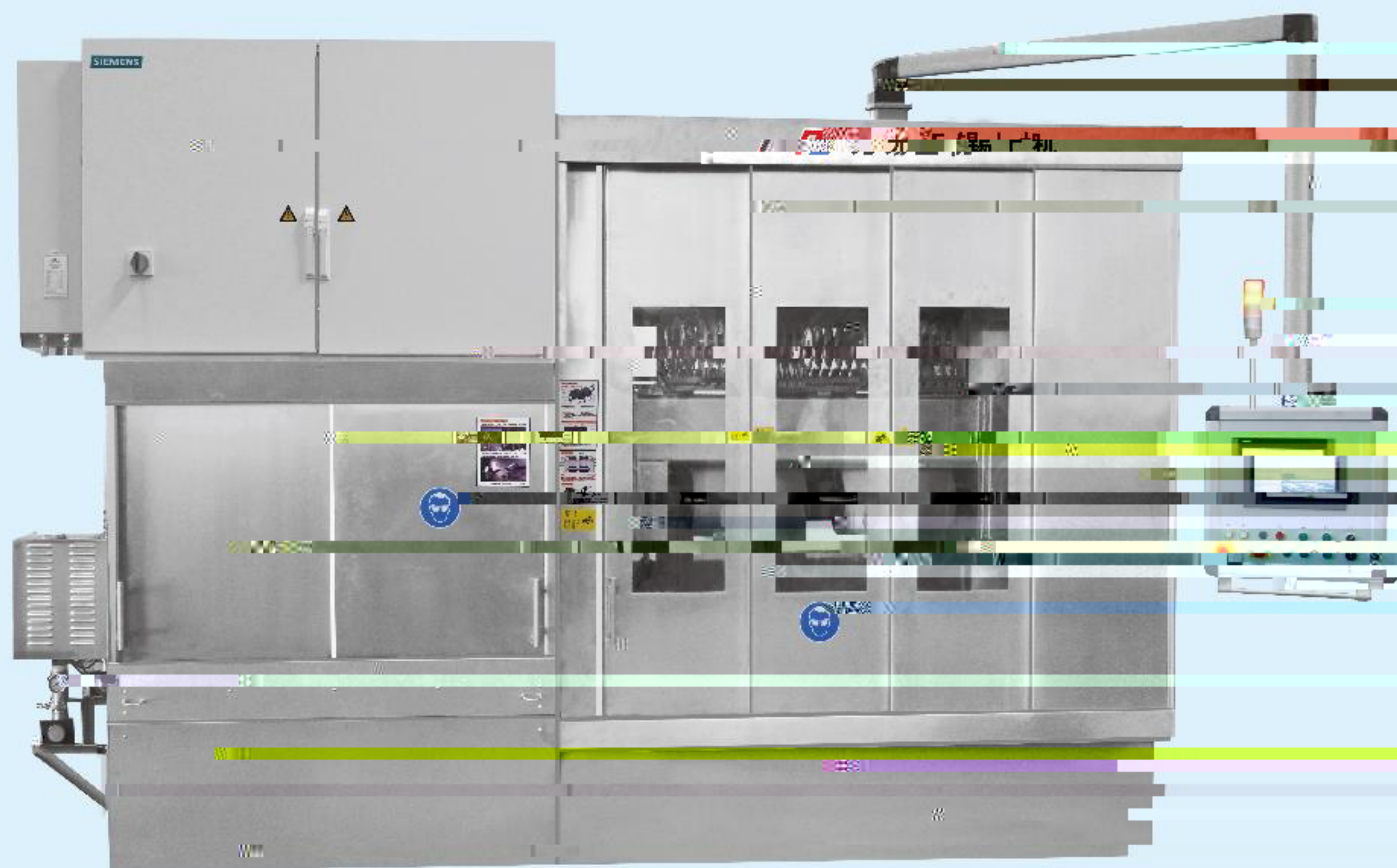


WSK026

# 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 Workpiece parameters

工件规格 Workpiece specifications

工件重量 Weight

## 主要参数 Main parameters

金刚线直径 Diamond wire diameter

金刚线数量 Quantity of parallel wire

线间距 Space between wire

工件台速 Speed of worktable

加速度 Acceleration

线速度 Line speed

摇摆角度 Swing angle

摇摆速度 Swing speed

工件取向 Workpiece orientation

切割方向 Sliding orientation

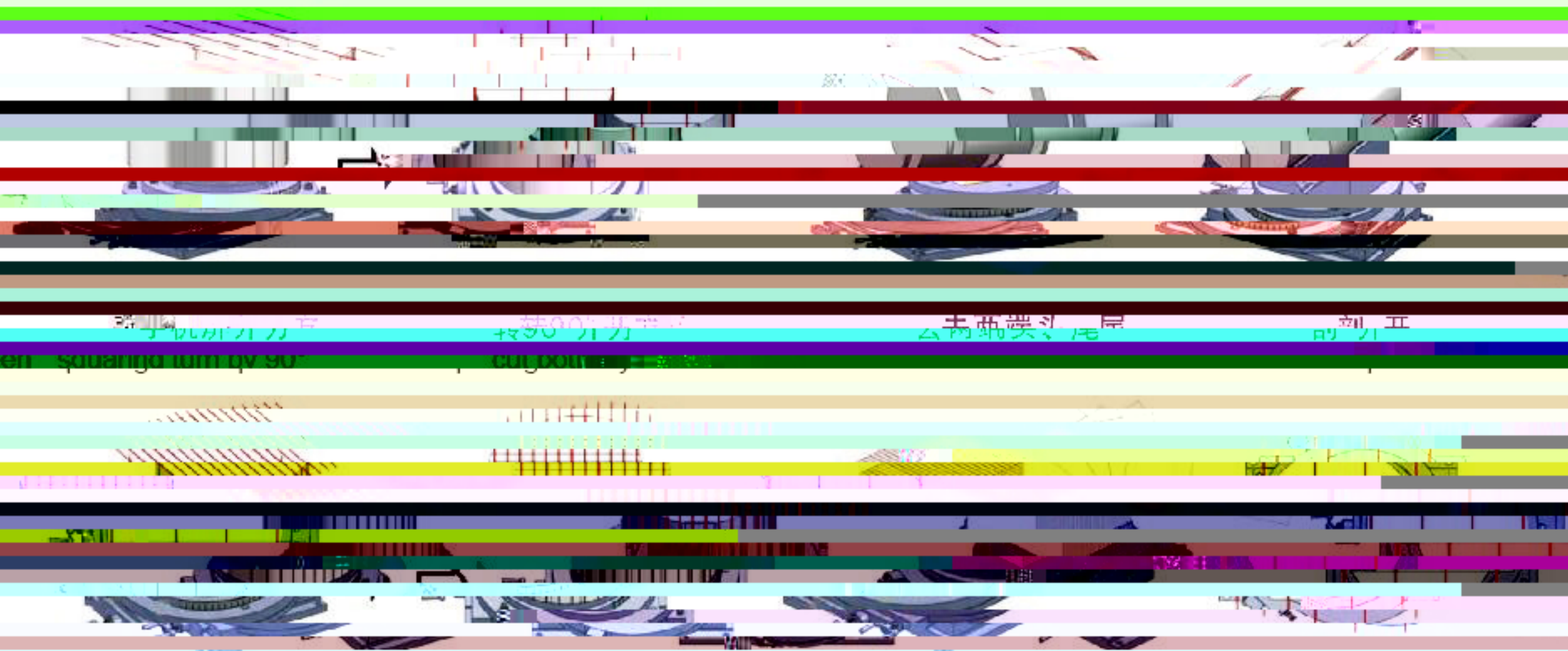
电源供给及配套设施 Power supply and auxiliary facilities

电源要求 Requirement of power

冷却水流量要求 Cooling water flow

周围环境温度 Environment temperature

## 设备切割示意图 Working sketch map



- 本设备为金刚线多线开方机，主要应用于新能源行业蓝宝石锭的开方、切视切片以及半导体行业硅棒、多晶硅锭的开方，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寸触摸屏。

- 设备布局合理，机械强度高且热稳定性好，整体外观采用全封闭不锈钢设计。

- 摇摆单元优化了金刚线切割效率的特性，缩短了切割时间，并提高了晶锭的端面质量，减少了砂轮数量的设计，更有效地降低线耗、降低材料成本。

- 模块化组合，上下工作台都可进行360°的旋转，方便切割任意尺寸。

- 通过调整切割轮上的线宽，方便切割各种尺寸的来料。

- 优化了切割轮的进给速度，提高了切割效率。

- 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，多方位调节进给，以及灵活的进给速度，可应用于蓝宝石的开方以及切片和抛光，切割范围更广。

This equipment is diamond wire saw squarer, applied to New Energy industry processing ITO sapphire ingots, getting diamond wire saws and used in semi-conductor industry, silicon round bar and polysilicon equipment for new energy industry.

Apply integrated PLC of SIEMENS controlling 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, shortening time and improving end-face quality of ingots, reducing quantity of pulleys, which decreases consumption of parallel wire and pulleys.

The equipment can not only rotate the worktable, but also rotate the workpiece, which can realize the rotation of the workpiece in the upper and lower positions, and can realize the rotation of the workpiece in the upper and lower positions.

By regulating depth or wire on cutting wheel, wire width can be adjusted.

Optimize the 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 the speed of the worktable and the speed of the workpiece, which can be used in squaring, slicing and cutting.

垂直开方

转90°开方

切片（1/2"）开方

转90°开方

Squaring and cutting by vertical

Squaring and cutting by 90°

Slicing (1/2") and cutting

Squaring and cutting by 90°