

研究材料Stereofixations

下件重量Verification

<?Z5UkUx3t+

主要参数Main parameters

全成在7月 **다이아메터 of diamond wire**

(D) 23~115mm

下位数量NO of citation

大日如来东大寺藏印石室

工作速度 speed of work

加速度 Acceleration

1198

线速度 $v = \omega r$ line speed

 $\frac{1}{2} \ln \frac{1}{\sin^2 \frac{\alpha}{2}}$

坪坪色度Swingwile

189

477400\士郎C...

25 年 11 月 11 日

工作同Workin' in crystal orientation

2607 ± 901

切割方向Slicing orientation

前进或后退切割/双向后退切割

forward or back         

电源供给及配套设施 Power supply and matched facility

电源要求 Requirement of power

电压voltage: 380V; 频率frequency:

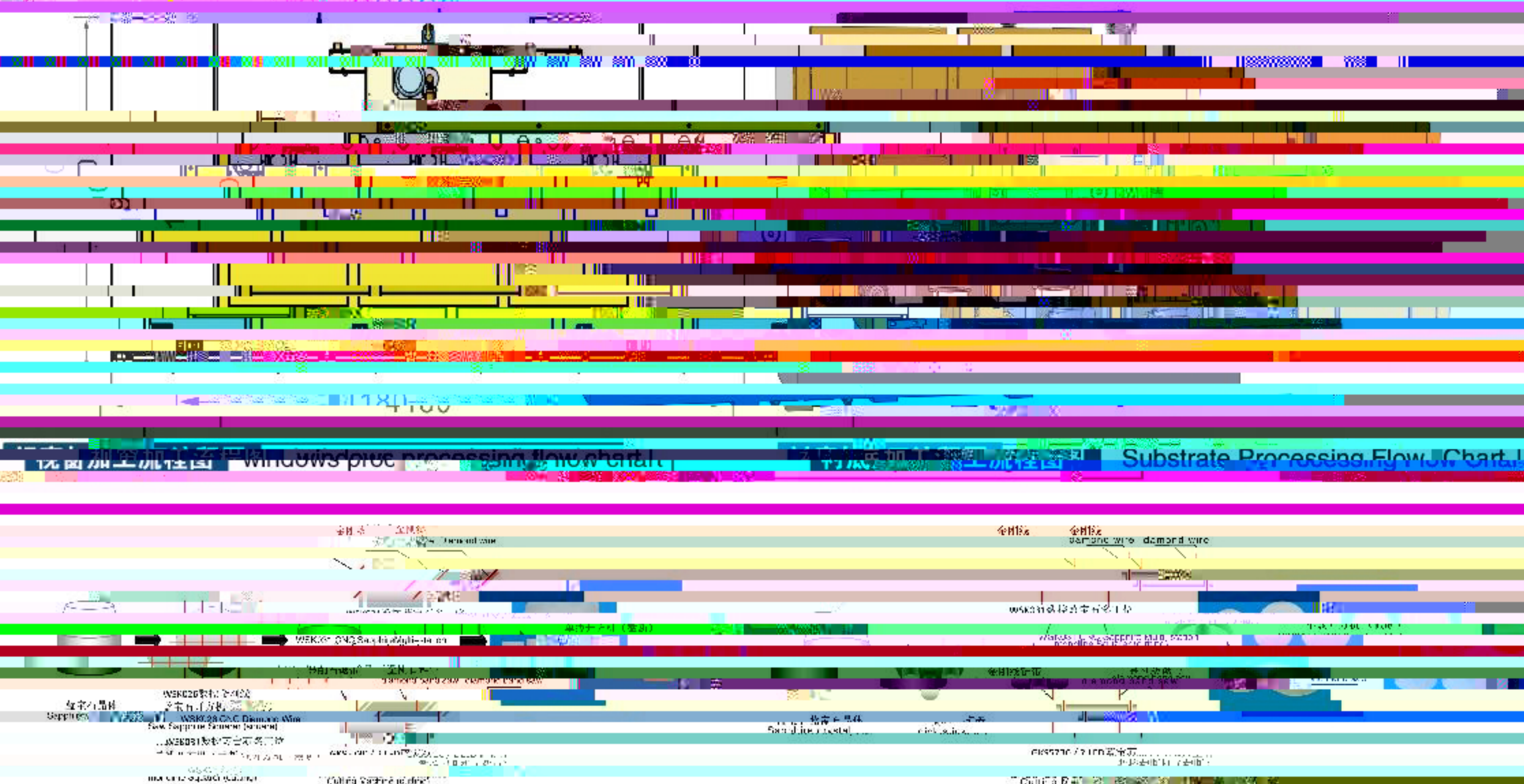
冷却水流入温度Cooling water temperature

10°C 20°C

温度环境试验箱 Environmental temperature...

1500-2500

设备局部图 local picture



机床用途与性能特点

- 本设备为全数控单轮线切割机床，主要用于加工蓝宝石晶体的切割。
- 切割，是新能源的主要配套设备。
- 采用国外进口数控控制系统，控制精度和效率均提高。
- 设备布局合理，机械强度高而热稳定性好，整体外观不用全封闭不锈钢设计。
- 摇摆单元优化了金刚石线切割蓝宝石的性能，缩短了切割时间，并提高了晶锭的端面质量，减少有轮数量的设计，更有效地降低线耗、清轮时间等。
- 设备采用三工位，可同时切割不同的蓝宝石晶体，也能独立控制每个工位，切割速度也可不同；
- 采用一套放线装置并带合金压床，能同时放线，同时也能使用多数条线，省时省力。
- 优化张力控制系统，利用高张力切割，保证了切割的质量和效率。
- 采用三工位旋转工作台，多方位运动自如，半自动和线控方案；
- 采用整体式设计，配备切割支架，外观美观且内部整洁。

main Announcements and Significant Features

- This equipment is diamond monoline squarer, applied in processing LED sapphire ingots, which is the main equipment for new energy industry primary.
- Apply abroad imported CNC control system, identify human-computer interface, easy to operate.
- Reasonable design, high mechanical strength and perfect thermal stability. Overall appearance is beautiful and modern design.
- Swing unit optimizes performance of sapphire, shortening time, and improving end face quality of ingots, reducing quantity of scrap.
- Apply three-station, slicing different sapphire ingots simultaneously, or control each station separately, speed of swing can be set to different.
- Apply one set of retractable table that drives 3 stations, save 50% wire, and be able to use old wire used in multi-line as well.
- Optimize tension of wire, reduce wire breakage rate, increase density of wire, reduce wire breakage rate.
- Apply automatic station, reduce workload, guard crystal orientation on multi-aspect. Single plane wiring program.
- Apply overall design, matched with water tank for cooling, automatic