



MULTI-WIRE SAW

多线切割机YJ-XQB816C [金刚线应用]

本机器主要用于将切割碳化硅(2"-8")、蓝宝石、水晶、陶瓷、化合物、氧化物、人造宝石、单晶硅等各种硬脆性材料切割分解成片状,可达到提高切割精度,提高工作效率,节省原材料,减少下道工序工作量的目的。

The machine is mainly used for cutting and decomposing various hard and fragile materials such as cutting sapphire (2" -8 "), crystal, ceramics, compounds, oxides, artificial gems, single crystal silicon into flakes, which improves the cutting accuracy and working efficiency.







蓝宝石衬底

设备特点

- 实现高速切割,切割速度达3000m/min;
- 采用国际先进的伺服系统成套解决方案, 系统性能稳定可靠;
- 采用倒挂式摇摆工作台,提高切割效率,支持工作台左右晶相调节:
- 采用伺服电机控制张力大小,可实现张力调节精度达± 0.5N;
- 机器表面钣金采用304不锈钢制作,方便清洗维护:
- 切割室和收放线室采用独特密封方式, 确保油砂不外漏;

- 采用我司专利断线保护装置,反应灵敏,大幅减小断线后对线 网及罗拉的损伤;
- U型导轮布局,采用大规格直径、少数量的导轮布局,导轮数量仅6个:
- 最大加工尺寸为:8"x400mm;
- 收、放线侧均配有伺服电机排线装置,实现双向供线;
- 切割室各门自动化, 一键升降, 安全便捷。

MAIN TECHNICAL FEATURES

- Achieve high-speed cutting which up to 3000m/min.
- Stable servo system is equipped.
- The down-cut rocking mode workplate increase the cutting efficiency and support to adjust the silicon direction.
- ullet Wire tension is controlled by servo motor. Tension precision is within \pm 0.5N.
- The surface sheet metal of the machine is made of 304 stainless steel, which is convenient for cleaning and maintenance.
- Unique sealing methods of the cutting room and wire supply room ensures the oil slurry is not leaking.
- Our patented wire breakage protection device can greatly reduce the damage to the wire and roller after wire break.
- Equipped with 6 pieces of big pulleys.
- The maximum processing size is: 8"x400mm.
- The take-up and pay-off sides are equipped with servo motor cable arrangement to realize bidirectional wire feeding.
- Each door of the cutting room is automated and can be raised and lowered with one click, making it safe and convenient.

主要技术参数 MAIN TECHNICAL SPECIFICATIONS

项目/Items 规格/Specs 最大可切断的工件尺寸(Maximum workpiece size) 8°×400mm 外径*线槽宽度(Outer diameter*wire groove width) Ф190~200mm×400mm 主轴间距(Spindle spacing) 450mm 例丝线使用线径(Wire diameter) Ф0.10~Ф0.25mm 例丝线轴贮线量(Wire spool storage capacity) 80km×1卷 加速度(Acceleration) 8m/s² 切割速度(Cutting speed) 3000m/min 工作台升降行程(Table lifting stroke) 240mm 晶体摇摆角度(Ingot rocking angle) 0~±8° 晶体摇摆速度(Ingot rocking speed) 0-300°/min, 速率可调rate adjustable 切削进给速度(Cutting feed rate) 0.01~300mm/min 快送进给速度(Fast feed rate) 50~300mm/min 工作台可旋转角度(Table rotation angle) 0~±1° 机器外形尺寸(Size) 3816mmx1828mmx3255mm 机器重量(Weight) ~11000kg		
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