

MULTI-WIRE SAW

多线切割机YJ-XQL625A

本机器主要用于将宝石、水晶、单晶硅、磁性材料等各种硬、脆性材料切割分解成片状；可达到提高切割精度，磁泥分离，盘管式高效冷却等多种新功能。

The machine is mainly used for cutting and decomposing all kinds of hard and fragile materials such as gemstones, crystals, monocrystalline silicon and magnetic materials into sheets, and can achieve many new functions such as improving cutting accuracy, magnetic mud separation, coil high efficiency cooling etc.



光伏硅片



磁性材料

设备特点

- 实现高速切割，最大速度达1800m/min；
- 采用国际先进的汇川伺服系统成套解决方案，系统性能稳定可靠；
- 工作台前后位置可调；
- 采用伺服电机控制张力大小，可实现张力调节精度达± 0.5N；
- 机器表面采用进口油漆处理，不掉漆、不退色；
- 切割室和收放线室采用独特密封方式，确保油砂不外漏；
- 采用我公司专利技术，解决切割室与收放线室线砂分离，延长导轮寿命；
- M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。

MAIN TECHNICAL FEATURES

- Achieve high-speed cutting which up to 1800m/min.
- The machine adopts stable INOVANCE servo system.
- Worktable is adjustable.
- Wire tension controlled by servo motor. Tension precision is within ± 0.5N.
- Imported paint ensures the surface of the machine no painting and no fading.
- Unique sealing methods of the cutting room and wire supply room ensures the oil slurry is not leaking.
- The patented technology of our company is adopted to solve the separation of wire and sand between the cutting chamber and the take-up and take-off chamber and to prolong the life of the guide wheel.
- M-type guide wheel arrangement, featuring large-diameter and fewer guide wheels, with only 6 guide wheels in total.

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)	600×160×120mm
外径×线槽宽度(Roller outer dia.*Effective width)	Φ155 ~ Φ175×600mm
使用线径(Wire diameter)	Φ0.12 ~ Φ0.25mm
循环次数(Number of cycles)	往返最大6次/分钟 (Up to 6 times/min)
切割线速度(Cutting speed)	≤1800m/min
切片厚度(Thickness)	0.2 ~ 3mm
切削进给速度(Cutting feed rate)	0.1 ~ 200mm/ min
快送进给速度(Fast feed rate)	50 ~ 200mm/min
满载功率(Full-load power)	65kw
机器外形尺寸(Size)	2580×1450×2830mm
机器重量(Weight)	~7000kg