

# WSK066A单线截断机



## 设备用途和特性

- 本设备为金刚线高速截断机，主要用于半导体行业、太阳能行业硅材料的切割；
- 采用CNC控制技术的一体化PC机，人机界面采用了触摸屏，操作简单；
- 设备布局合理，机械强度高而且稳定性好，外表美观；
- 设计模块化，耗线少，耗材少，更高效，保证切割的质量及效率；
- 切割金刚线采用环形金刚线，拆换方便，省时省力，对金刚线不造成任何损伤；且切割线单向运行，截面质量更好。
- 切割方法采用切割头架垂直升降，双导轨单丝杆移动进给控制，控制精度高。
- 工作台采用伺服电机控制，通过直线导轨、滚珠丝杆实现前后进给。
- 加床加工工件：Φ320×700 或210×210×700 方棒

## Applications and structural features

- The equipment is diamond high-speed cutting machine, which is mainly used for cutting silicon material in PV Industry and Semi-conductor Industry.
- Apply integrated PC of CNC controlling technology, touch screen, easy to operate
- Reasonable layout, high mechanical strength and perfect stability, artistic appearance.
- Modular design, less consumables and more efficient, ensuring high cutting quality and efficiency.
- Cutting line applies circular diamond wire, easy to dismount, no damage for diamond wire. The cutting line single-direction, much better section quality.
- Apply vertical lifting of cutting headstock method, mobile feeding control of double guide rail single screw rod, high precision control.
- Servo motor controls workbench, forward and backward feed by linear guide rail and ball screw.
- workpiece : Φ320×700 or 210×210×700 square rod

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## WSK066A单线截断机规格参数

Specification of WSK066A single-line cutting machine

<b>工件 workpiece</b>	
规格 specification	最大直径 $\Phi$ 320 max diameter $\Phi$ 320
长度 length	700mm(Max)
<b>切割速率 cutting rate</b>	
线速度 linear velocity	Max 40m/s
切割头行程 stroke of cutting head	Max 340mm(切割头垂直方向vertical direction of cutting head)
切割头移动速度 moving speed of cutting head	Max 600 mm/min
工作台行程 stroke of workbench	Max 700mm
工作台移动速度 moving speed of workbench	Max 1800 mm/min
<b>金钢线 diamond wire</b>	
芯线径(外径) diameter of core wire (external diameter)	0.65 mm
环形金刚线长度 length of annular diamond wire	2960mm
钢线方向 direction of wire	朝一个方向切割 cutting in one direction
<b>切割滚轮 cutting roller</b>	
直径 diameter	外径external diameter $\Phi$ 308 mm 线径wire diameter $\Phi$ 300
个数 number	1
<b>过线轮 crossing wheel</b>	
直径 diameter	外径external diameter $\Phi$ 220 mm 线径wire diameter $\Phi$ 213
个数 number	3
<b>切割液供应 cutting compound supply</b>	
清水连接(接口) connection of clean water (interface)	$\Phi$ 16内径软管inner diameter hose
<b>控制系统 controlling system</b>	
类型 type	贝加莱
供货商supplier	ABB
监控/操作面板 monitor/ operation panel	ABB
<b>外观尺寸及总重量 outline dimension and total weight</b>	
长度 length	2020 mm
宽度 width	1920 mm
高度 height	2430mm
总重量 total weight	约3000 kg

### 重锤与线网张力关系表

### Relationship of heavy hammer and wire net tension

重锤+挂杆(Kg) heavy hammer + hanging rod	上线网张力(N) upper wire net tension	下线网张力(N) under wire net tension
3 kg	24.5N	24.5N
4 kg	40N	40N
5 kg	56N	56N
5.5 kg	64.5N	64.5N
6 kg	70N	70N

注:正常使用,线网张力为65~70N Note: normal use, wire net tension is 65-70N