

PROFESSIONAL &  
RICH EXPERIENCE  
MANUFACTURER

CNC WIRE CUT EDM



**Jiangsu Sammlite Machinery Co., Ltd.**

# WIRE CUT EDM

## Function



- Support graphics driver automatic programming, users do not need to learn the code, only need to set the processing methods for the processing works.
- The software can be directly embedded in AutoCAD, CAXA and other versions of the software;
- A variety of processing methods can be combined flexible processing (continuous, single-stage, forward, reverse and other processing methods)
- Real-time monitoring of X, Y, U, V four-axis machining status of wire cutting machine tools;
- Processing preview, processing process real-time display; 3D tracking display during taper processing, can zoom in and out to view graphics, from the main view, left view, top view and other angles to observe the processing situation;
- Surface can be cut multiple times, with user-maintainable process library function, making multiple processing simple and reliable;
- The processing of taper workpiece adopts four-axis linkage control technology, which can conveniently process upper and lower profiled surfaces, making complex taper graphics processing simple and precise;
- With automatic alarm function, automatic alarm when processing or failure, alarm time can be set;
- Support clear angle delay processing, delay at the corner of the processing track to improve the deviation caused by the bending of the wire;
- Automatically save processing status, power-on recovery processing, short-circuit automatic retraction and other fault handling when power is off;
- The Wire Drum, Pump, High Frequency Power are automatically off at the end of machining.

## Mechanical Specification

MODEL	UNIT	CNC320W	CNC400W	CNC500W
Table Size	mm	660*420	760*500	900*600
Table Travel	mm	400*320	500*400	630*500
Max Workpiece Weight	kg	400	500	600
Max. Cutting Thickness	mm	300	300	300
Motor Power	W	750	750	750
Driven Motor		Servo Motor		
Cutting Speed	mm <sup>2</sup> /min	>200	>200	>200
Surface Roughness	μm	1st Cut Ra<2.3um, 2nd Ra<1.6um, 3rd Ra≤1.0um		
Wire Diameters	mm	φ0.12-φ0.20		
Taper		±3 Degree/80mm		
Dimension	mm	1810*1480*2180	2100*1680*2180	2200*1960*2180
Total Weight	kg	2400	2800	3300

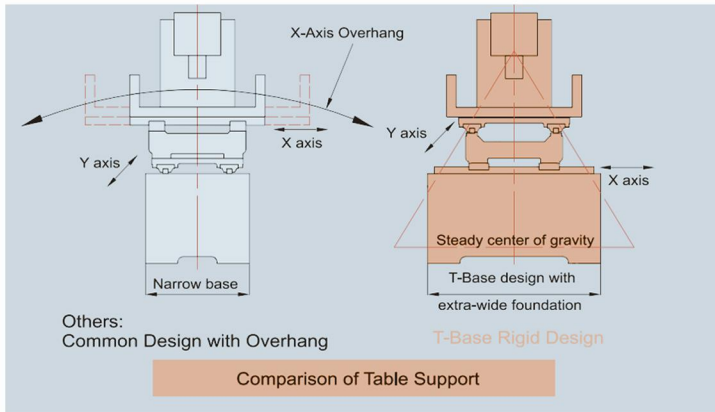
## Accessories

Description
Industrial PC control panel(AutoCut) AutoCut
High Pressure Recycle Water Tank
Tool Box
X/Y Axis HI-Win Ball Screw & Linear Guide
Machine Taper +3°, -3°
Working Light
Water Protector
Auto Lubrication System
Panasonic Servo-Motor X/Y Axis X/Y
Molybdenum Wire 0.18
Paper Filter
Taiwan SHIHLIN Converter

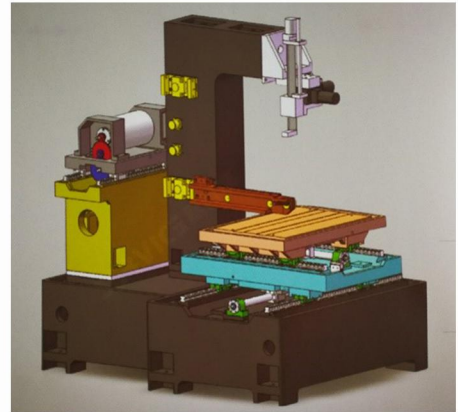


# WIRE CUT EDM

## T-Base Design

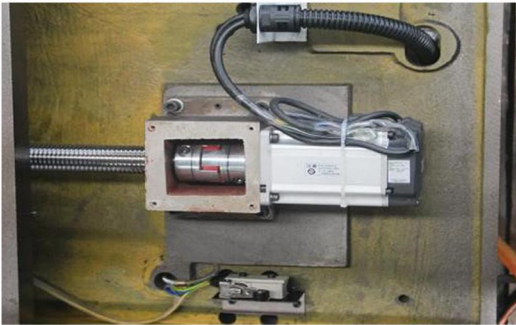


T-Base to prevent cantilever situation



C-Frame with multi-ribbed structure features high rigidity

## Mechanical Structure

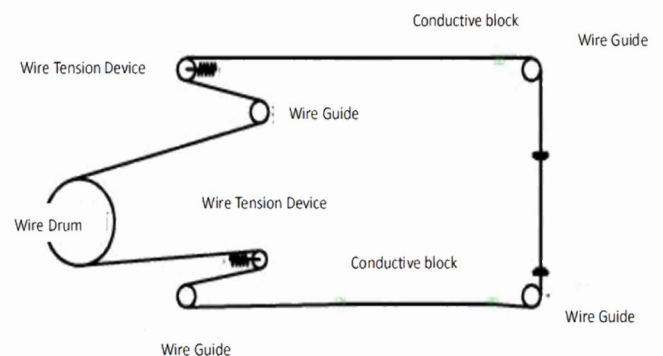


- T Shape Structure Machine
- HT250 Casting Iron
- Wire Guide Nozzle lifting
- Direct Motor Driven
- HI-WIN Linear Guide & Ball Screw & Panasonic Servo Motor

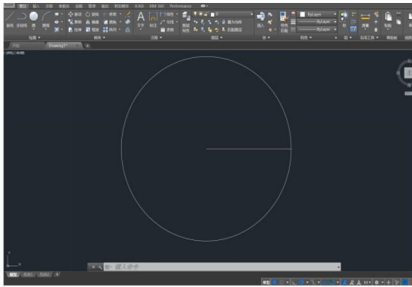
## Wiring System



- Adapting Taiwan SHIHLIN Converter for Stability of Multi Cuts & wiring
- HI-Win Linear Guide Wire Drum to ensure long term usage & precision
- Auto Wire Tension Devices
- Diamond Wire Guide & Water Nozzle durable in use



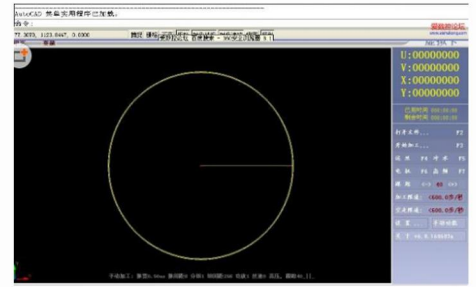
## Programme Interface



Draw in AutoCAD



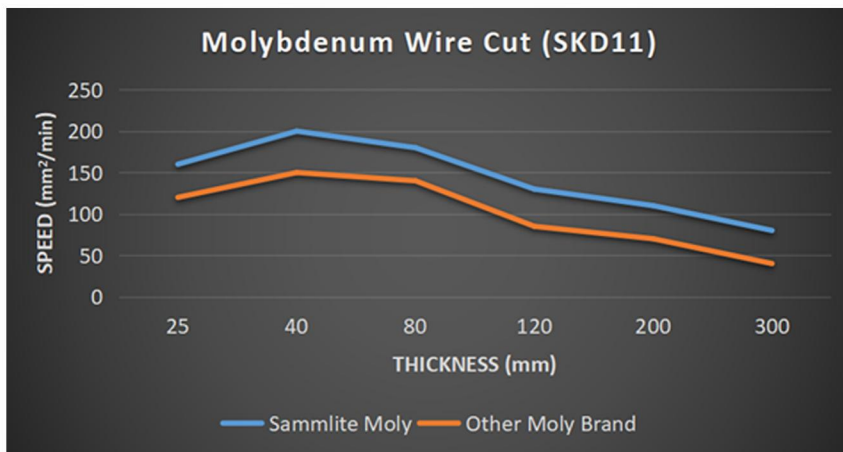
Fill in Specification



Direct Cutting Form

- Autocut Programme
- Auto edge & Center Finding
- Wire Speed changing, continuously, single phase, forward & reverse, corner delay
- Win XP
- USB & Lan
- Expert Database

## Generator ( Roughness & Speed)



	Roughness
1 <sup>st</sup> cut	2.5 $\mu$ m
2 <sup>nd</sup> cut	1.8 $\mu$ m
3 <sup>rd</sup> cut	0.8 $\mu$ m

Roughness <0.8 $\mu$ m

Speed <12000mm<sup>2</sup>/h (200-300mm<sup>2</sup>/min)

## Jiangsu Sammlite Machinery Co.,Ltd.

Address: Liuqiao Industrial Zone, Nantong City, Jiangsu Province, China

Email: [info@sammlite.com](mailto:info@sammlite.com) Phone: +86 13773624699

Tel: 0513-86819656 Fax: 0513-86819656

[www.edmsammlite.com](http://www.edmsammlite.com)

