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西莫
SIMOS

SIMOS CNC

世界中走丝 中国西莫

西莫·线切割专家

WIRE CUT EDM
EXPERTS

30 YEARS

世界中走丝 中国西莫



苏州西莫机器设备有限公司是中走丝线切割机床机电一体化的源头生产厂家，致力于为客户提供最具性价比的线切割机床。

机械部分，从线切割机床的设计开始，到铸件、配件、精加工、钣金、装配、精度控制、调试，直到机床交付，我们用心并且严格做好每一个步骤。

电气部分，我们不断的研发更新的切割技术，不断的追求更高的切割速度，更高的光洁度，更低的损耗。

软件部分，我们推出更符合用户操作要求的控制系统。

公司主要研发、定制、生产制造各式F型和C型步进和伺服高精度中走丝线切割机床。广泛应用于军工、汽车制造、航空航天、精密医疗设备等各类模具及日用品的加工。畅销市场，出口到全球各主要工业国家。

苏州西莫机器设备有限公司紧跟时代步伐，不断突破创新，以客户需要为根本，做中走丝线切割机床行业技术标杆企业，为用户不断提供高品质的机床和全面优质的服务。

Suzhou Simos CNC Technology Co., Ltd. is the original manufacturer of wire cut EDM machine and is committed to providing customers with the most cost-effective wire EDM machine.

For the mechanical part, starting from the design of wire cutting machine tools, to castings, accessories, finishing, sheet metal, assembly, precision control, debugging, until the delivery of machine tools, we carefully and strictly do every step.

For the electrical part, we continue to develop and update cutting technology, and constantly pursue higher cutting speed, higher finish and lower loss.

For the software part, we introduce a control system that is more in line with the user's operation requirements.

The company mainly develops, customizes, and manufactures various F-type and C-type stepping and servo high-precision wire cut EDM machine tools, which are widely used in the processing of various molds and daily necessities such as military industry, automobile manufacturing, aerospace, precision medical equipment, etc. Best-selling market, exported to all major industrial countries around the world.

Suzhou Simos CNC Technology Co., Ltd. keeps up with the pace of the times, constantly breaks through and innovates, takes customer needs as the foundation, and is a technical benchmark enterprise in the wire cutting machine tool industry, providing users with high-quality machine tools and comprehensive and high-quality services.



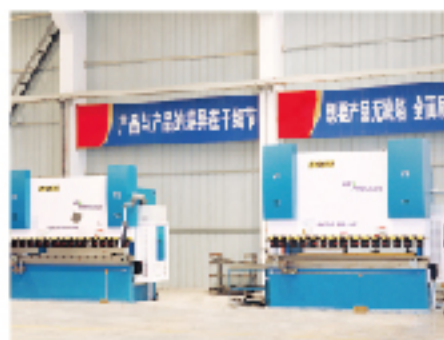
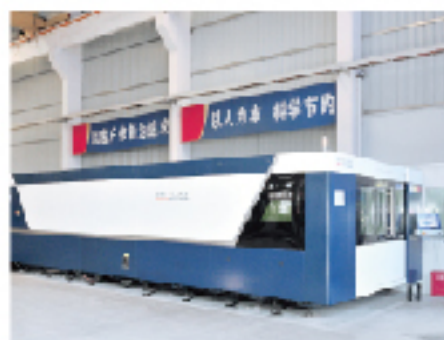
加工设备



PROCESSING EQUIPMENT



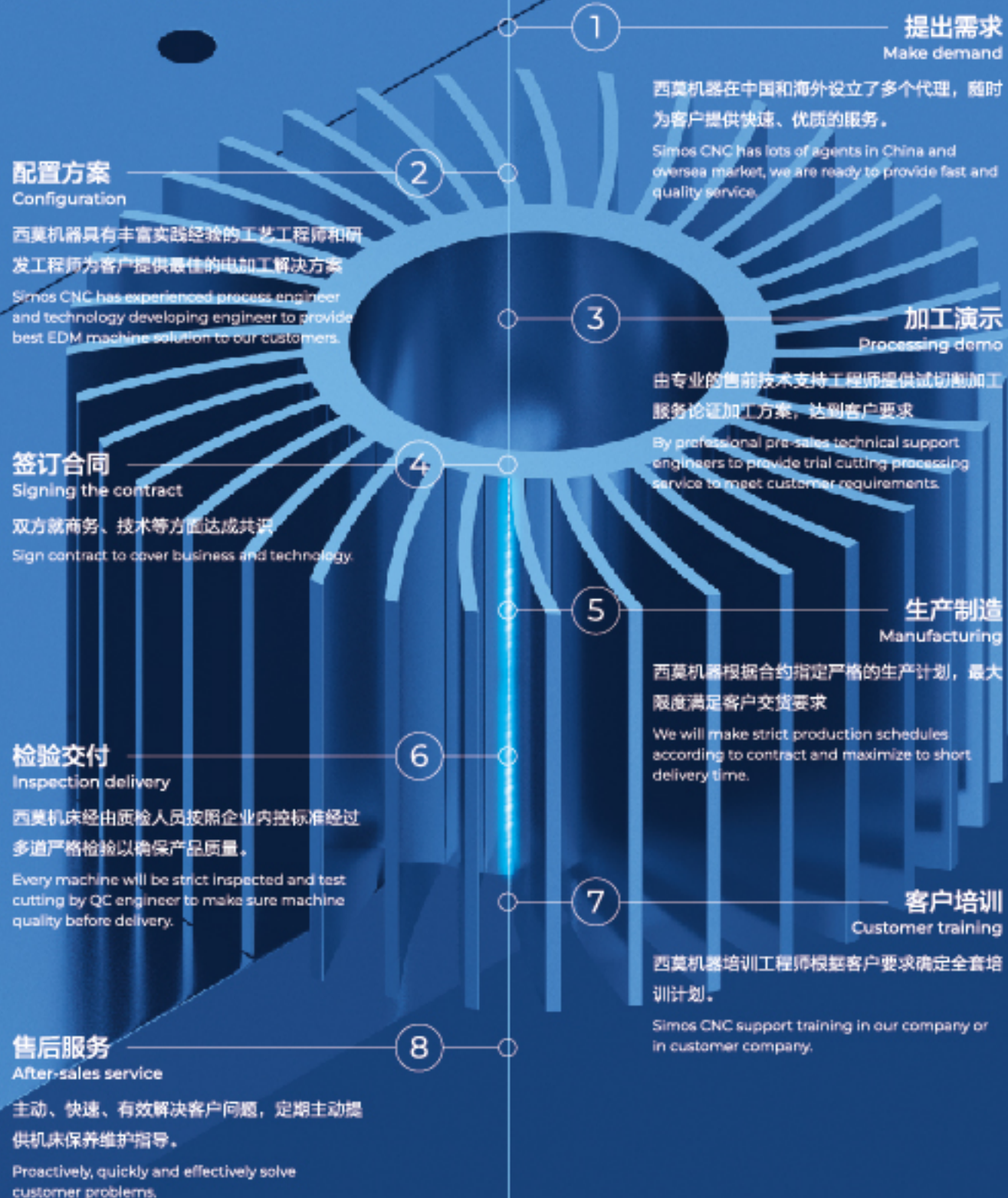
ASSEMBLY WORKSHOP



组装车间

EDM TECHNOLOGY SOLUTION

全套电加工技术解决方案



GLOBAL PARTNER

合作伙伴

Autonics

Schneider Electric

SANYO

EZO

THK
The Mark of Linear Motion

SIEMENS

士林電機
ShiLin Electric

Panasonic.

PMI
Linear Motion Systems

HIWIN
Motion Control and System Technology

宝石防水导轮 Diamond waterproof wire pulley

采用Φ40单边宝石导轮，容易穿丝、寿命长、精度高
Use Φ40 single side gem guide wheel, easy to thread, long life, high precision.

双边自动紧丝机构 Bilateral automatic wire tightening

采用双边同时自动紧丝，防止粗丝抖动，防止单边紧丝
Automatic wire tightening on both sides at the same time prevents molybdenum wire from shaking and unilateral wire tightening

一键电机自动上丝 Automatic wire threading

方便快捷、减少工人劳动强度、更安全
Easy and safe way, no need experience

优质HT250铸件T字型床身 High quality HT250 casting, T bed design

它优于以往的条形机身，其特点是工作台只能在底座的范围之内移动，这样可以防止设备变形，确保了机床的长期稳定性
It is better than the previous strip fuselage, its characteristic is that the work table can only move within the range of the base, which can prevent the deformation of the equipment and ensure the long-term stability of the machine tool

大锥度 Big taper cutting

U,V轴P级直线导轨
选配: U,V混合, 伺服电机, 直线导轨, 滚珠丝
U,V axis P grade linear guide
Optional: U,V mixing, servo motor, linear guide, ball screw;

升降式宝石导丝嘴 Wire guider lifting type

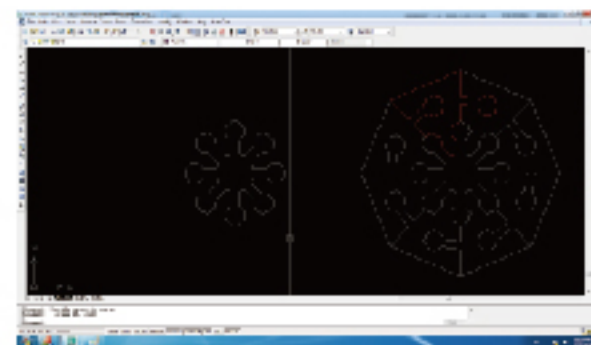
优点一: 加工工件时, 可以让导丝嘴最大限度的接近工件表面, 减少粗丝抖动, 提高加工精度及表面粗糙度
优点二: 可以在不重新穿粗丝的情况下调整切割高度范围, 方便工人操作, 提高工作效率
Advantages 1: Wire guider close to piece surface, avoid wire shaking, improve accuracy and finishing
Advantages 2: Easy to adjust cutting height

日本松下伺服电机驱动 Japan Panasonic servo motor

日本松下交流伺服电机和驱动, 世界知名品牌电气配件
Japan Panasonic AC servo motor and driver, World famous electrical parts

原装进口传动件 Original imported transmission parts

日本NSK和EZO高精度轴承
台湾原装进口高精度直线导轨, 滚珠丝杆, C型线架
Japan NSK and EZO high accuracy bearing Taiwan original imported high precision linear guide, ball screw, C-type linear frame;



图形驱动, CAD直接画图, 或者通过网络接口和USB输入图形, 简单快捷。

Make drawing program in AutoCAD, or input drawing by internet and USB and cut directly



内置专业的加工数据库, 只需要选择实际切割条件, 自动生成切割参数。

Inbuild professional cutting parameter system. Automatically generate cutting parameter basic on selection of conditions



简单的加工界面, XYUVZ多坐标数据显示, 自动找中, 自动寻边, AR矫正等等, 丰富的功能选择。

Simple processing interface, XYUVZ multi-coordinate data display. Automatic centering, automatic edge finding, AR correction, etc., rich function selection.

FRIENDLY INTERFACE

友好的操作界面



S系列

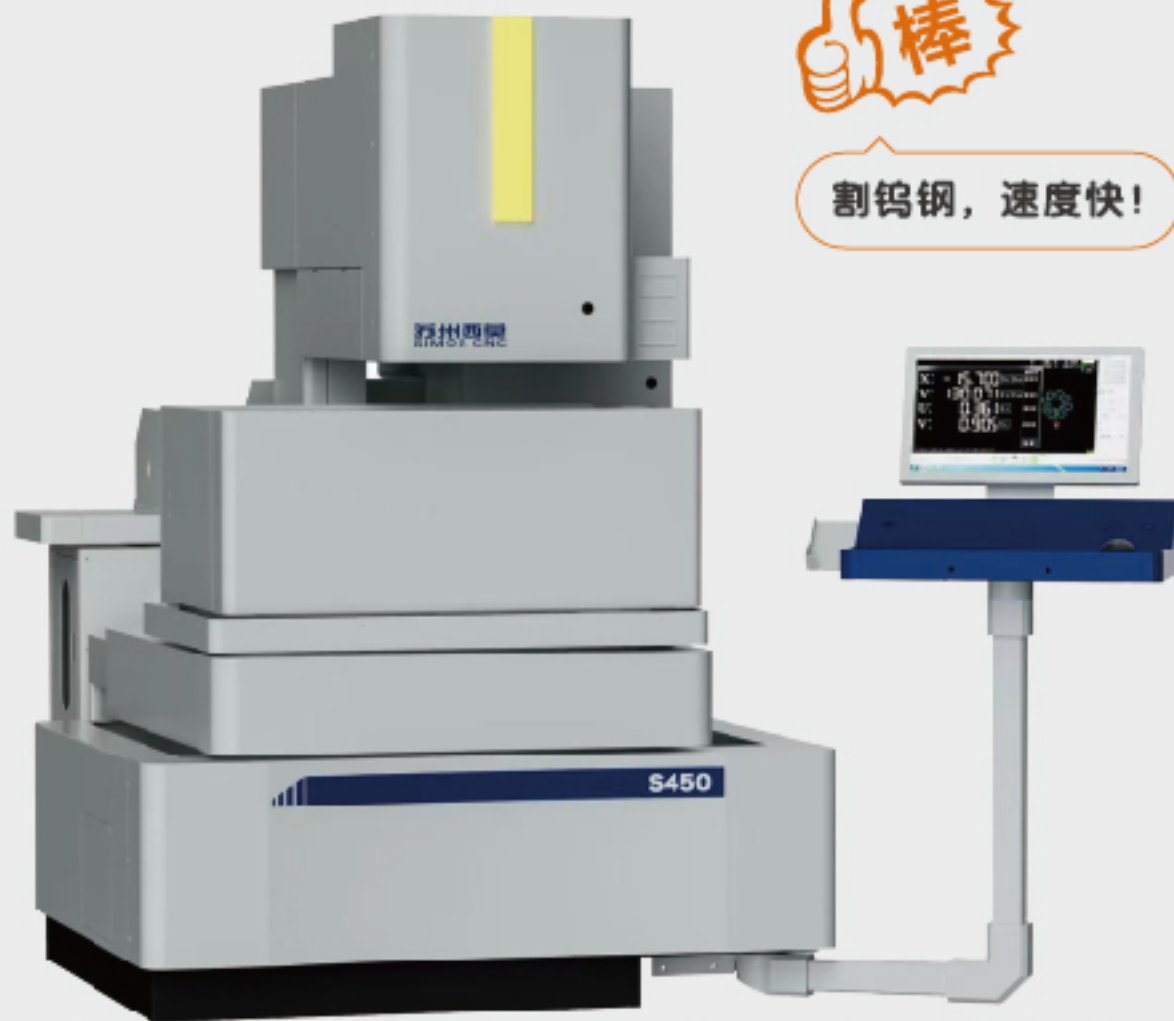
精密中走丝

产品亮点

- 伺服松下驱动，螺距补偿功能
- 高精度，试件切割精度±0.005mm
- 高速度，试件切割速度≥300平方毫米/分钟
- 高光度，试件切割表面光洁度Ra≤0.6um
- 全型号T型床身
- XY轴丝杆和导轨：标配THK
- UVZ轴：标配细分电机，数控显示
- Z轴一键回原点功能

HIGHLIGHTS

- Servo motor and drive, pitch compensation function
- High precision, specimen cutting accuracy ± 0.005mm
- High speed, specimen cutting speed ≥ 300 square millimeters per minute
- High luminosity, cutting surface smoothness of the specimen Ra ≤ 0.6um
- All models of T-shaped bed body
- XY axis screw and guide rail: standard THK
- UVZ axis: standard subdivision motor, CNC display
- Z-axis one click return to origin function



割钨钢，速度快!

S Series

HIGH PRECISION WIRE EDM

产品参数 Product Parameters

机床型号 Model	S450	S550	S630
工作台尺寸 mm Worktable size	800 × 550	880 × 570	1000 × 750
工作台行程 mm Worktable travel	450 × 350	550 × 450	630 × 500
最大切割厚度 mm Max cutting height	300	300	300
选配 Optional	500	500	500
最大切割锥度 Max cutting taper	± 12° /80mm	± 12° /80mm	± 12° /80mm
最大承重 kgs Max Loading	300	400	600
最大切割速度 mm ² /分钟 Max cutting speed	300	300	300
加工精度 mm Cutting accuracy	± 0.005	± 0.005	± 0.005
最佳光洁度 Best cutting roughness	0.6um	0.6um	0.6um
钼丝直径 Wire diameter	0.1-0.2mm	0.1-0.2mm	0.1-0.2mm
水箱容积 Water tank volume	120L	120L	120L
机床最大功率 Machine power	2.5KW	2.5KW	2.5KW
机床重量 kg Machine weight	2000	2300	2700
主机外形尺寸 mm Machine size	1800 × 1800 × 1900	1900 × 1900 × 1900	2000 × 2000 × 2000

检测设备 Measure tools



SC系列

伺服中走丝

产品亮点

- 伺服驱动，螺距补偿功能
- 高精度，试件切割精度 $\pm 0.005\text{mm}$
- 高速度，试件切割速度 ≥ 300 平方毫米/分钟
- 高光度，试件切割表面光洁度 $Ra \leq 0.6\mu\text{m}$
- Z轴一键回原点功能

HIGHLIGHTS

- Servo drive, pitch compensation function
- High precision, specimen cutting accuracy $\pm 0.005\text{mm}$
- High speed, specimen cutting speed ≥ 300 square millimeters per minute
- High luminosity, cutting surface smoothness of the specimen $Ra \leq 0.6\mu\text{m}$
- Z axis one click return to origin function



割紫铜，速度快！



SC Series

SERVO WIRE EDM

产品参数 Product Parameters

机床型号 Model	SC300	SC450	SC550	SC630
工作台尺寸 mm Worktable size	630X430	800×550	880×570	1000×750
工作台行程 mm Worktable travel	300X250X280	450×350	550×450	630×500
最大切割厚度 mm Max cutting height	280	300	300	300
选配 Optional	/	500	500	500
最大切割锥度 Max cutting taper	6°	$\pm 6^\circ / 80\text{mm}$	$\pm 6^\circ / 80\text{mm}$	$\pm 6^\circ / 80\text{mm}$
选配 Optional	/	$\pm 12^\circ / 80\text{mm}$	$\pm 12^\circ / 80\text{mm}$	$\pm 12^\circ / 80\text{mm}$
最大承重 kgs Max Loading	300	300	400	600
最大切割速度 mm ² /分钟 Max cutting speed	300	300	300	300
加工精度 mm Cutting accuracy	± 0.005	± 0.005	± 0.005	± 0.005
最佳光洁度 Best cutting roughness	0.6 μm	0.6 μm	0.6 μm	0.6 μm
钼丝直径 Wire diameter	0.1-0.2mm	0.1-0.2mm	0.1-0.2mm	0.1-0.2mm
水箱容积 Water tank volume	120L	120L	120L	120L
机床最大功率 Machine power	2.5KW	2.5KW	2.5KW	2.5KW
机床重量 kgs Machine weight	1800	2000	2300	2700
主机外形尺寸 mm Machine size	1400×1400×1850	1800×1800×1900	1900×1900×1900	2000×2000×2000

检测设备 Measure tools



SCT系列

伺服T型中走丝

产品亮点

- T型床身结构
- 定制分体结构
- 定制更高的切割高度

HIGHLIGHTS

- T machine body design
- Separate machine body design
- Higher cutting thickness, heavy loading machine body design



SCT Series

SERVO T-SHAPED WIRE FEEDING

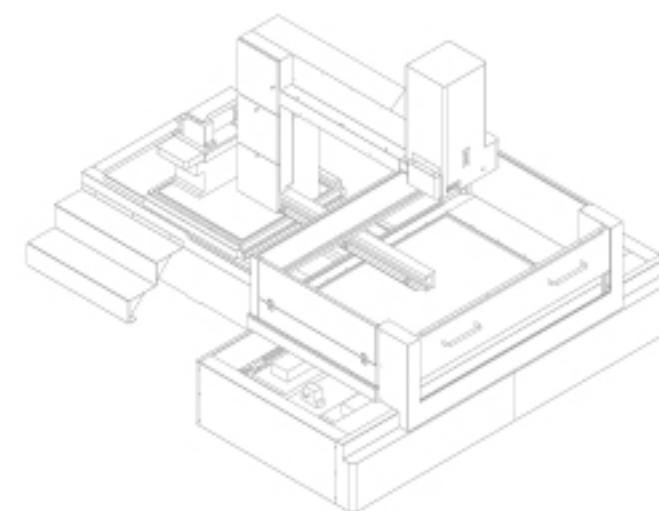
产品参数 Product Parameters

机床型号 Model	SCT800	SCT1000	SCT1200
工作台尺寸 mm Worktable size	1350 × 850	1500 × 980	1600 × 1250
工作台行程 mm Worktable travel	800 × 630	1000 × 800	1200 × 1000
最大切割厚度 mm Max cutting height	300	400	500
选配 Optional	500	500	600
最大切割锥度 Max cutting taper	±6° /80mm	±6° /80mm	±6° /80mm
选配 Optional	±15° /80mm	±15° /80mm	±15° /80mm
最大承重 kgs Max Loading	800	1200	2000
最大切割速度 mm ² /分钟 Max cutting speed	300	300	300
加工精度 mm Cutting accuracy	±0.005	±0.005	±0.005
最佳光洁度 Best cutting roughness	0.8um	0.8um	0.8um
水箱容积 Water tank volume	120L	120L	120L
机床最大功率 Machine power	4KW	4KW	4KW
机床重量 kgs Machine weight	4000	5500	7000
主机外形尺寸 mm Machine size	2400 × 2600 × 2500	2500 × 2100 × 2000	2800 × 3000 × 2800



定制生产分体式大行程机床
SCT1600、SCT2000、SCT2200

Customized production of split type large-stroke machine tools
SCT1600, SCT2000, SCT2200



F系列

高速中走丝

产品亮点

- AutoCut操作系统系统
- 传统的线切割床身结构设计
- 大摇板设计，单边切割锥度达到45度
- 高压水箱
- 多次切割
- 低丝损，高速大立柜
- 加工速度18000平方每小时以上

HIGHLIGHTS

- The most popular model CNC wire cut EDM machine.
- AutoCut system base on Windows
- Max reach ± 45 degree cutting
- High pressure water tank
- Multi cutting function to get better finishing
- Super big size machine special to make
- Low wire loss, high-speed large cabinet
- Processing speed of over 18000 square meters per hour



F Series

HIGH SPEED WIRE EDM

产品参数 Product Parameters

机床型号 Model	F300	F450	F550	F630
工作台尺寸 mm Worktable size	630 × 430	780 × 540	880 × 580	1000 × 650
工作台行程 mm Worktable travel	320 × 250	450 × 350	550 × 450	630 × 500
最大切割厚度 mm Max cutting height	300	500	500	700
选配 Optional	/	/	/	1000
最大切割锥度 Max cutting taper	6° /80mm	6° /80mm	6° /80mm	6° /80mm
选配 Optional	/	/	±30° /80mm	±30°
选配 Optional	/	/	/	±45°
最大承重 kgs Max Loading	200	400	400	600
最大切割速度 mm ² /分钟 Max cutting speed	300	300	300	300
加工精度 mm Cutting accuracy	±0.005	±0.005	±0.005	±0.005
切割光洁度 Best cutting roughness	1.0um	1.0um	1.0um	1.0um
水箱容积 Water tank volume	100L	100L	100L	100L
机床重量 kgs Machine weight	1200	1700	1900	2400
主机外形尺寸 mm Machine size	1400 × 1010 × 1700	1900 × 1400 × 1900	2000 × 1600 × 1900	2200 × 1600 × 2100

机床型号 Model	F800	F1000	F1200	F1400
工作台尺寸 mm Worktable size	1150 × 750	1350 × 980	1640 × 1170	1380 × 1800
工作台行程 mm Worktable travel	800 × 630	1000 × 800	1000 × 1200	1200 × 1400
最大切割厚度 mm Max cutting height	700	800	700	700
选配 Optional	1000	1000	1000	1000
最大切割锥度 Max cutting taper	6° /80mm	6° /80mm	6° /80mm	6° /80mm
选配 Optional	±30°	±30°	±30°	±30°
选配 Optional	±45°	±45°	±45°	±45°
最大承重 kgs Max Loading	800	1000	2000	2000
最大切割速度 mm ² /分钟 Max cutting speed	300	300	300	300
加工精度 mm Cutting accuracy	±0.008	±0.008	±0.008	±0.008
切割光洁度 Best cutting roughness	1.5um	1.5um	1.5um	1.5um
水箱容积 Water tank volume	100L	100L	100L	100L
机床重量 kgs Machine weight	3000	4500	6000	7000
主机外形尺寸 mm Machine size	2300 × 1900 × 2100	2800 × 2100 × 2400	3100 × 2300 × 2400	3300 × 2350 × 2400

MACHINING SAMPLES

加工案例



最佳表面粗糙度 $Ra \leq 0.6$
The optimum surface roughness $Ra \leq 0.6$



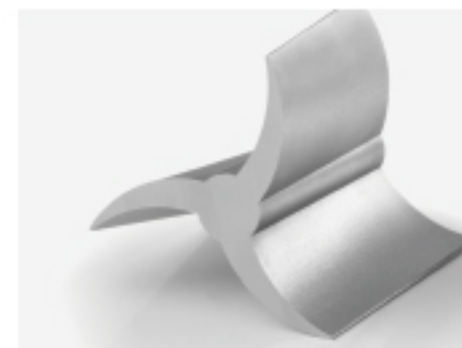
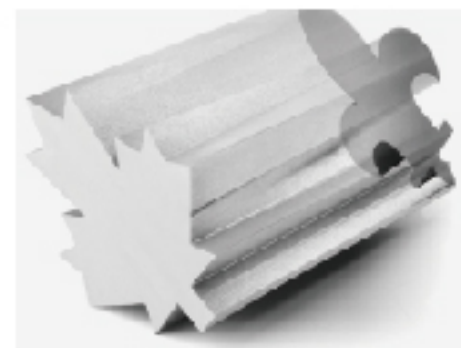
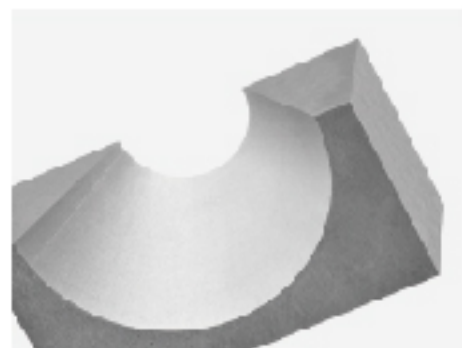
其他品牌中走丝最高效率 $200\text{mm}^2/\text{min}$
西莫最高效率 $300\text{mm}^2/\text{min}$
The highest wire walking efficiency among other brands is $200\text{mm}^2/\text{min}$;
SIMOS CNC Max cutting speed reach $300\text{mm}^2/\text{min}$



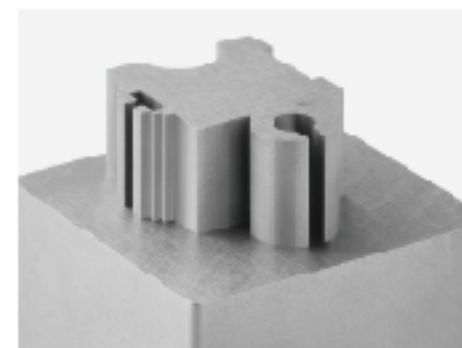
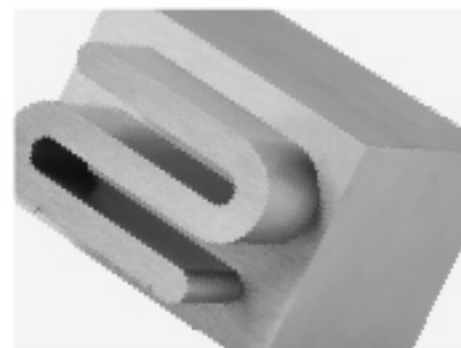
新型智能高频节能80%
New smart high-frequency power supply
80% saving



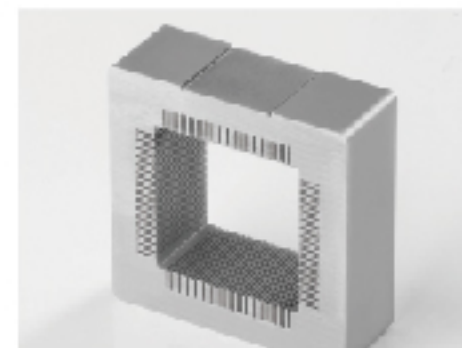
锥度切割 Taper Cutting



高公差配件 High Tolerance fitting



超细线 Ultra Thin Wire



特殊材质 Special Material

