topedm

Always Pioneer EDM Spark Machine Manufacturer and No.1 Micro hole EDM machine inventor worldwide
FOUNDED BRAND | CNC | PCM | No.PLTF

TAZE 广东台正
topedm 台一机械

SPECIALIZE IN

CNC Spark EDM Machine, Wirecut Type Spark EDM Machine, Cnc Fixed type Spark EDM Machine, CNC Milling Machine,Milling Machine, Grinding Machine , Wire Cut EDM machine.
Micro Hole EDM Machine Inventor Worldwide

Guangdong
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Welcome your good suggestions and comments to help us continuously improve our products and services and provide a better platform for cooperation.

http://www.topedm1965.com

COMPANY PROFILE

Established in 1965, TAIFI (Brand: TOPEDM) was built in Taiwan as an EDM spark machine manufacturer.

Guangdong Taizheng Precise Machine Co., Ltd. Which is also known as Dongguan Taifi Precise Machine Co., Ltd. Both of them were invested by Taiwan TOPEDM. Located in Dongguan Chang' An, Dongguan Taifi dedicate itself to the manufacturing, research and development of Spark EDM machine, CNC Milling Machine, Wire Cut EDM machine, CNC Spark EDM Machine, Wirecut EDM Machine and Micro hole EDM machine etc.Beside this, Taifi also supply CNC Milling Machine, Surface Grinding Machine, Cylindrical Grinding Machine.

Dongguan Taizi adopts precise quality check instruments and strict working flows to make sure each step is qualified. Every machine is 100% carefully inspected before its delivery. Our machine has high precision and high efficiency has got famous in the good reputation in and out of China.

Taifi will always pay attention to its R&D and marketing, Welcome your inquiry and visit!

CERTIFICATES

Software Copyright Certificates

Owning the core technology, Specialize in research and development of Spark EDM machine

Integrate high performance EDM machine technology, committed to the development of artificial intelligence and create higher benefits for clients.

Other Patents:

PRODUCTION WORKSHOP

QUALITY CONTROL

ZNC SPARK EDM MACHINE

Returns:

1. Axis Calculation, Auto Diagnose and Auto adjustment: Generally speaking, Avoid the processing current, Servo system will automatically adjust the processing parameters to make the machine work at the best condition when it happens unstable, and NC controller offers Voltage control, Avoid abnormal arc discharge and short circuit.

2. Slow Jumping, Electrode will retract safely while performing great surface discharge, It will make the surface energy and texture of the work-piece caused by the last vibration, which might cause bad roughness.

3.High Jumping: Electrode could retract completely while performing deep hole processing, which could help to discharge the debris and bubbles.

4. Before Machining, Electrode will perform the processing while it reaches to the bottom of the working plate.

5. Time and distance keeping processing: The distance between electrode and workpiece is suitably set.

Machine Body Features:

- Three axes are configured in 'gantry form' & solid cast iron
- Z axis is using linear way, which is also movement smooth and stable
- Good penetration and small Ra value, X/Y/Z axis position drift is no 0.01mm during processing, the procedure is stable and reliable
- Machine cast material is FC30, which makes the cast long life and high rigidity
- Machine structure has been CAE-stress module analyzed, make the design reasonable and scientific
- Central lubrication is used on the whole machine

SPECIFICATION				
Parameters	unit	ZE-35	ZE-45	ZE-55
X/Y/Z travel	mm	350×300×300	450×350×350	550×450×350
Table to Column Distance	mm	350×600	450×700	550×800
Table size	mm	450×700	550×800	650×900
Maximum Load	kgs	350	500	800
Electrode Head Rotation Angle	deg	±90	±90	±90
Max.Load of Electrode	kg	15	20	30
Max.Load of Working Table	kg	300	400	600
Net Weight	kg	1800	2500	3500
Dimension (L×W×H)	mm	1800×1500×2200	2000×1600×2300	2400×1800×2700
Machine Tank Size(L×W×H)	mm	1700×700×580	1900×800×680	2300×1000×780

Electric Cabinet Specification		
Max.Machining Current	A	40
Max. Processing Speed	mm²/min	300
Min.Surface Roughness	μm	0.2
Min.Line Electrode Diameter	mm	0.18
Max.Machining Depth	mm	350
Dimension (L×W×H)	mm	1200×1200×2000

Standard Accessory	
• Three-axis Ball Screw	• Tool and Toolbox
• Panel	• Pre-locking Jaw
• LCD Display	• Working Light
• Operation Manual	• Foundation Bolt
• Electrode Head	• Three-axis Ruler
• Oil pump Self-Integrated Type	• Oil Mist
• Oil Cooler	• Hinge Oil Pan

Optional Accessory	
Manual Oil Chiller	Vertical Motor Rotation
Ac Voltage Stabi	Kitchen Dumpster
Oil Cooler	Voltage Stabilizer

SINGLE AXIS MIRROR TYPE SPARK EDM MACHINE

Returns:

1.Axis Calculation, Auto Diagnose and Auto adjustment: Generally speaking, Avoid the processing current, Servo system will automatically adjust the processing parameters to make the machine work at the best condition when it happens unstable, and NC controller offers Voltage control, Avoid abnormal arc discharge and short circuit.

2. Slow Jumping, Electrode will retract safely while performing great surface discharge, It will make the surface energy and texture of the work-piece caused by the last vibration, which might cause bad roughness.

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- Machine structure has been CAE-stress module analyzed, make the design reasonable and scientific
- Central lubrication is used on the whole machine

SPECIFICATION		
Parameters	unit	ZE-35
X/Y/Z travel	mm	400×300×300
Table to Column Distance	mm	350×600
Table size	mm	450×700
Maximum Load	kgs	350
Max.Load of Electrode	kg	15
Max.Load of Working Table	kg	300
Net Weight	kg	1800
Dimension (L×W×H)	mm	1800×1500×2200
Machine Tank Size(L×W×H)	mm	1700×700×580

Electric Cabinet Specification		
Max.Machining Current	A	40
Max. Processing Speed	mm²/min	300
Min.Surface Roughness	μm	0.2
Min.Line Electrode Diameter	mm	0.18
Max.Machining Depth	mm	350
Dimension (L×W×H)	mm	1200×1200×2000

Standard Accessory	
• Three-axis Ball Screw	• Tool and Toolbox
• Three-axis Linear Way	• Operation Manual
• Leveling unlimited	• LED Working Light
• Electrode Head	• Pre-locking Jaw
• Panel	• Foundation Bolt
• Oil pump Self-Integrated Type	• Hinge Oil Pan
• LCD Display	• Oil Mist

Optional Accessory	
Manual Oil Chiller	Vertical Motor Rotation
Ac Voltage Stabi	Kitchen Dumpster
Oil Cooler	Voltage Stabilizer

CNC MIRROR TYPE SPARK EDM MACHINE CNC-400S

Returns:

- It can work with rotor and Electrode Cutter
- Three axes are with Linear Slideway, Japan Panasonic absolute type motor, and 3 grade ball screw
- Z axis is using Linear Way, which is heavy loaded.
- 4 th drilling processing
- Central lubrication is used for every mechanism
- Machine cast material is FC30, which embodies high rigidity and stability.

SPECIFICATION	
Parameters	CNC-400S
X/Y/Z travel	400×300×300
Table to Column Distance	350×600
Table size	450×700
Maximum Load	350
Max.Load of Working Table	300
Net Weight	1800
Dimension (L×W×H)	1800×1500×2200
Machine Tank Size(L×W×H)	1700×700×580

Electric Cabinet Specification		
Max.Machining Current	A	40
Max. Processing Speed	mm²/min	300
Min.Surface Roughness	μm	0.2
Min.Line Electrode Diameter	mm	0.18
Max.Machining Depth	mm	350
Dimension (L×W×H)	mm	1200×1200×2000

Standard Accessory	
• Three-axis Ball Screw	• Tool and Toolbox
• Three-axis Linear Way	• Operation Manual
• Leveling unlimited	• LED Working Light
• Electrode Head	• Pre-locking Jaw
• Panel	• Foundation Bolt
• Oil pump Self-Integrated Type	• Hinge Oil Pan
• LCD Display	• Oil Mist

Optional Accessory	
Manual Oil Chiller	Vertical Motor Rotation
Ac Voltage Stabi	Kitchen Dumpster
Oil Cooler	Voltage Stabilizer

CNC MIRROR TYPE SPARK EDM MACHINE CNC-845S

Returns:

- It can work with rotor and Electrode Cutter
- Three axes are with Linear Slideway, Japan Panasonic absolute type motor, and 3 grade ball screw
- Z axis is using Linear Way, which is heavy loaded.
- 4 th drilling processing
- Central lubrication is used for every mechanism
- Machine cast material is FC30, which embodies high rigidity and stability.

SPECIFICATION	
Parameters	CNC-845S
X/Y/Z travel	800×450×350
Table to Column Distance	450×800
Table size	850×1400
Maximum Load	1000
Max.Load of Electrode	40
Max.Load of Working Table	800
Net Weight	3500
Dimension (L×W×H)	2400×2000×2300
Machine Tank Size(L×W×H)	2300×1200×780

Electric Cabinet Specification		
Max.Machining Current	A	60
Max. Processing Speed	mm²/min	400
Min.Surface Roughness	μm	0.2
Min.Line Electrode Diameter	mm	0.18
Max.Machining Depth	mm	450
Dimension (L×W×H)	mm	1200×1200×2000

Standard Accessory	
• Three-axis Ball Screw	• Tool and Toolbox
• Three-axis Linear Way	• Operation Manual
• Leveling unlimited	• LED Working Light
• Electrode Head	• Pre-locking Jaw
• Panel	• Foundation Bolt
• Oil pump Self-Integrated Type	• Hinge Oil Pan
• LCD Display	• Oil Mist

Optional Accessory	
Manual Oil Chiller	Vertical Motor Rotation
Ac Voltage Stabi	Kitchen Dumpster
Oil Cooler	Voltage Stabilizer

CNC SINGLE DX-HEAD TYPE SPARK EDM MACHINE

Returns:

- Three axes are with 3 grade ball Screw Linear Slideway,
- Fully close type Rollers are used on Z axis, And it can able to tackle the Y axis tweak, which make the machine precision more reliable and stable.
- Central Lubrication is used for every moving part
- Machine cast material is FC30, which embodies high rigidity and stability.

SPECIFICATION								
Parameters	unit	CNC-430	CNC-440	CNC-450	CNC-540	CNC-550	CNC-650	CNC-850
X/Y/Z travel	mm	300×200×200	400×300×300	500×400×300	500×400×300	500×400×300	600×500×400	800×500×400
Table to Column Distance	mm	280×580×480	350×600	450×600	450×600	450×600	500×700	500×700
Table size	mm	400×600	450×700	550×800	550×800	550×800	650×900	850×900
Distance from the Electrode to Table	mm	80-480	80-580	80-580	80-580	80-580	80-680	80-680
Max.Load of Electrode	kg	200	300	400	400	400	500	500
Max.Load of Working Table	kg	300	400	600	600	600	800	1000
Net Weight	kg	1800	2500	3500	3500	3500	4500	5000
Dimension (L×W×H)	mm	2000×1500×2200	2000×1600×2300	2400×1800×2700	2400×1800×2700	2400×1800×2700	2600×2000×2900	2600×2000×2900
Machine Tank Size(L×W×H)	mm	1700×700×580	1900×800×680	2300×1000×780	2300×1000×780	2300×1000×780	2500×1200×880	2500×1200×880

Electric Cabinet Specification		
Max.Machining Current	A	60
Max. Processing Speed	mm²/min	400
Min.Surface Roughness	μm	0.2
Min.Line Electrode Diameter	mm	0.18
Max.Machining Depth	mm	450
Dimension (L×W×H)	mm	1200×1200×2000

Standard Accessory	
• Three-axis Ball Screw	• Tool and Toolbox
• Three-axis Linear Way	• Operation Manual
• Leveling Patented	• LED Working Light
• Electrode Head	• Pre-locking Jaw
• Three-Axis AC Servo Motor	• Foundation Bolt
• Panel	• Hinge Oil Pan
• Oil pump Self-Integrated Type	• Oil Mist

Optional Accessory	
Manual Oil Chiller	Vertical Motor Rotation
Ac Voltage Stabi	Kitchen Dumpster
Oil Cooler	Voltage Stabilizer

CNC DOUBLE DX-HEAD TYPE SPARK EDM MACHINE

Returns:

- Fully close type Rollers are used on Z axis, And it can able to tackle the Y axis tweak, which make the machine precision more reliable and stable.
- Central Lubrication is used for every moving part
- Machine cast material is FC30, which embodies high rigidity and stability.

SPECIFICATION								
Parameters	unit	CNC-1060	CNC-1070	CNC-1080	CNC-1090	CNC-1110	CNC-1510	CNC-2010
X/Y/Z travel	mm	1000×600×500	1000×700×500	1000×800×500	1000×900×500	1000×1100×500	1500×1000×500	2000×1000×500
Table to Column Distance	mm	1000×1200×1000	1000×1200×1000	1000×1200×1000	1000×1200×1000	1000×1200×1000	1500×1000×1000	2000×1000×1000
Table size	mm	1200×1000	1200×1000	1200×1000	1200×1000	1200×1000	1500×1000	2000×1000
Distance from the Electrode to Table	mm	200-700	200-700	200-700	200-700	200-700	200-700	200-700
Max.Load of Electrode	kg	500	500	500	500	500	500	500
Max.Load of Working Table	kg	1000	1000	1000	1000	1000	1000	1000
Net Weight	kg	5000	5000	5000	5000	5000	5000	5000
Dimension (L×W×H)	mm	2600×2000×2900	2600×2000×2900	2600×2000×2900	2600×2000×2900	2600×2000×2900	3000×2000×2900	3000×2000×2900
Machine Tank Size(L×W×H)	mm	2500×1200×880	2500×1200×880	2500×1200×880	2500×1200×880	2500×1200×880	3000×1200×880	3000×1200×880

Electric Cabinet Specification		
Max.Machining Current	A	60
Max. Processing Speed	mm²/min	400
Min.Surface Roughness	μm	0.2
Min.Line Electrode Diameter	mm	0.18
Max.Machining Depth	mm	450
Dimension (L×W×H)	mm	1200×1200×2000

Standard Accessory	
• Three-axis Ball Screw	• Tool and Toolbox
• Three-axis Linear Way	• Operation Manual
• Leveling Patented	• LED Working Light
• Electrode Head	• Pre-locking Jaw
• Three-Axis AC Servo Motor	• Foundation Bolt
• Panel	• Hinge Oil Pan
• Oil pump Self-Integrated Type	• Oil Mist

Optional Accessory	
Manual Oil Chiller	Vertical Motor Rotation
Ac Voltage Stabi	Kitchen Dumpster
Oil Cooler	Voltage Stabilizer

Multi-function control box

- Auto Edge Finding
- Auto Center
- 3 axis Infinite position setting
- Coordinates shift

Taiwan Linear way and Ballscrew

Intelligent Expert System

Panasonic Motor and Driven

Working with Robot to Perform Automatic production