

Enterprise introduction

Novick Digital Equipment Co., Ltd. is a high-tech enterprise engaging in research & development, manufacturing and selling higher-level CNC machine tools. The enterprise aims at providing EDM and metal cutting machine tools with reliable quality and excellent performance-price ratio to global market under the brand "NOVICK".



The company has formed a perfect team with sophisticated experiences ranging from R&D, manufacturing and marketing & sales. Through ten years' efforts, the company has launched more than twenty models of CNC products to the market. These products have been promoted and sold to more than twenty countries and districts of the world including China.

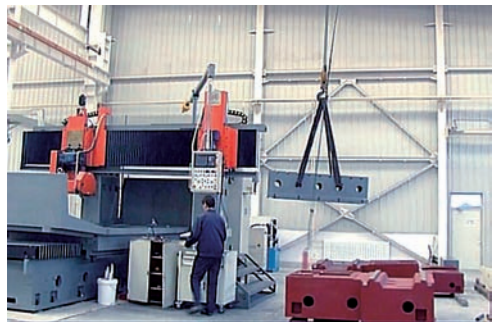


Research and development

The company has established ISO-9000 quality control system which ensures all processes under controlled strictly and effectively, including research & development, manufacturing, sales and technical services.



Milling machining



Grinding machining



3D measuring



Laser measuring



Assembling



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Novick Digital Equipment Co. Ltd.

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The catalog is subject to change without announcement in advance.

NOVICK

AE400

PRECISE CNC BRASS WIRE-CUT EDM



Technology leads to enterprise development
Service creates client profit

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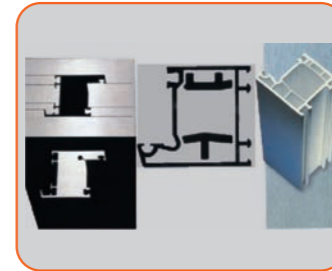
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Applications

Various kinds of complex parts can be cut in the machine easily and precisely:



Application 1
Material : Cr12
Brass wire Φ0.2mm
Cutting times : 3



Application 2
Material : Cr12
Brass wire Φ0.25mm
Cutting times : 3



Application 3
Material : Cr12
Brass wire Φ0.2mm
Cutting times : 3



Application 4
Material : Cr12
Brass wire Φ0.25mm
Cutting times : 3



Application 5
Material : Cr12
Brass wire Φ0.2mm
Cutting times : 3



Application 6
Material : Cr12
Brass wire Φ0.25mm
Cutting times : 3



Application 7
Material : Cr12
Brass wire Φ0.25mm
Cutting times : 3



Application 8
Material : Cr12
Brass wire Φ0.25mm
Cutting times : 3

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Product Features

Precise CNC brass wire-cut EDM is a kind of EDM machine, which uses brass wire as electrode and run wire unidirectional to process ruled surface work-pieces. It is the essential equipment for processing high precision and fine surface roughness parts.

Mechanical Body

- High rigidity machine structure results in good accuracy. Integrated appearance with small floor area.
- Equipped with high precision guideways and ball screws.
- All axes are measured by the laser and compensated accurately.

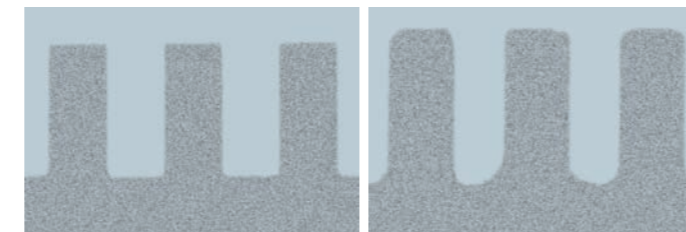
Control System

- High speed electroless nanosecond pulse power (AC generator).
- The powerful control functions enable it easily and precisely to cut accurate and fine parts with complex shapes.

Friendly Man-machine Interface



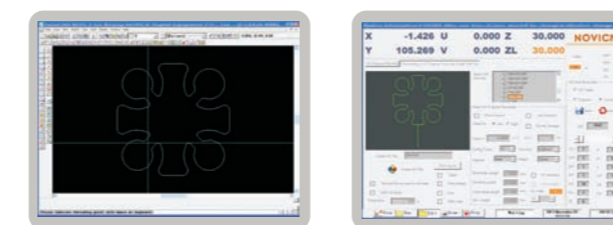
- Humanized operation console



- Special control strategy: none-core cutting, corner control, upper and lower different profiles, etc.
- Integrated CAD/CAM system allows operator to design NC programs automatically by key - in drawings in the machine or receiving drawing files in DXF format from external CAD system.
- Windows XP multi-tasking platform.



- Very beautiful and friendly operation screen interface.



Technical Specifications

Item	Unit	Specification
Machine		
Size of machine	mm	1700×2550×2165
Weight of machine	kg	2500
Floor (W×H)	mm	2200×3300
Size of work-table	mm	645×490
Distance between work-table and ground	mm	1000
Max. weight of work-piece	kg	250
Max. size of work-piece (L×W×H)	mm	850×700×215
Travels X/Y/Z	mm	400×300×220
Travels U/V	mm	36×36
Max. cutting taper	°	±6°(100 mm thickness)
Wire diameter	mm	Φ0.15-Φ0.30
Work type		Flushing
Dimension of work tank (L×W×H)	mm	990×910×270
Capacity of dielectric unit	L	300
Filtration		Paper filter
Capacity of resin		20L
Generator		
Standard power supply		3 phase AC 380V±10%
Power	kw	10
Unit		mm/inch
Interpolation		Linear / circle
Axes Controlled		XYUVZ 5 axes
Input		MDI/USB/Keyboard
Machining conditions	group	5000
Min. input unit	mm/inch	0.001/0.0001
Max. input value	mm	9999.9999
Operation system		Windows XP

Options

- Voltage stabler
- Linear scales for X/Y axes
- Chiller for dielectrical unit
- Professional CAD/CAM software for desktop computer
- Bridge fixture