

CNC Wire Cut EDM Machine

This CNC wire cut EDM machine offers precise cutting capabilities for various materials. It features a BMW-5000 controller and a double direction servo wire tension system.



ADDITIONAL IMAGES



Overview

High-Precision CNC Wire Cut EDM

This CNC Wire Cut EDM machine is designed for high-precision machining of intricate geometries and hard materials. It features a servo-controlled wire tension system and advanced high-frequency power supply to achieve superior surface finishes and tight tolerances. Ideal for tool and die making, it combines a maximum cutting speed of 250mm²/min with a robust mechanical structure for reliable industrial performance.

Performance Metrics

Key Performance Indicators

250 mm²/min

Max Cutting Speed

1.2 μm

Surface Roughness (Ra)

0.012 mm

Octagon Precision

500 kg

Max Table Load

Technical Specifications

Machine Parameters

Parameter	Value	Unit
Worktable Size (L x W)	500 x 800	mm
Table Travel (X x Y)	400 x 500	mm
Max. Workpiece Thickness	300	mm
Taper Angle	+/- 3°	degree
Wire Diameter Range	0.15 ~ 0.2	mm
Wire Travelling Speed	5 ~ 11	m/min
Working Reservoir Capacity	100	L

Control System & Components



High-performance wire electrode system ensuring superior cutting precision and efficient material removal for complex geometries.

System Features

- Double Direction Servo wire tension system
- BMXP software (Windows XP based) with AutoCAD compatibility
- High-frequency power supply (BMW-5000 model)
- Centralized lubrication system
- Industrial computer with LCD monitor
- Linear guideways for high-precision movement

Power & Electrical

Electrical Requirements

Feature	Specification
Power Supply	3N-380V / 50Hz
Max Working Current	9A
Inverter Type	EMERSON (U.S.A)

Compliance & Quality

Certifications	CE Certified, 6S Management System, Unique ID Tracking
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