

Wire Electrical Discharge Machine

This wire electrical discharge machine precisely cuts intricate shapes and profiles in conductive materials. It utilizes a thin, continuously moving wire electrode to erode the workpiece through spark erosion.



ADDITIONAL IMAGES

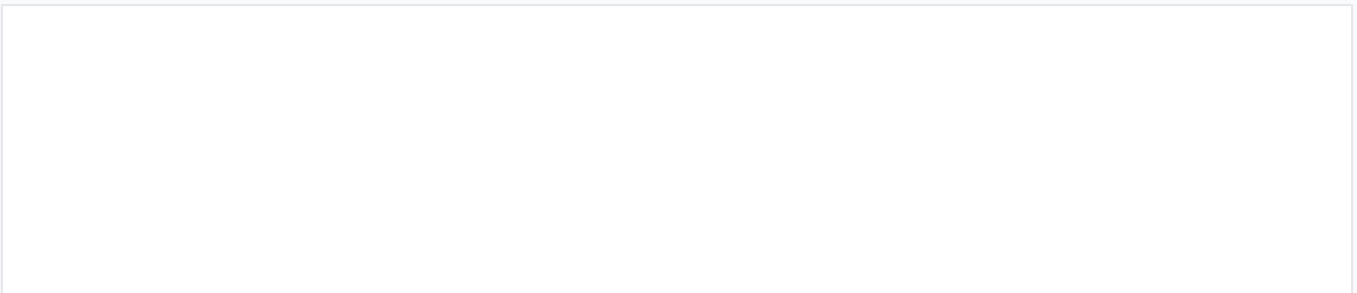


Overview

High-Precision Wire Electrical Discharge Machining

This Servo Control Wire Cut EDM is designed for high-speed, high-precision cutting of intricate shapes in conductive materials. Featuring a maximum cutting speed of 250mm²/min and a double-direction servo wire tension system, it ensures exceptional surface finishes and dimensional accuracy. It is an ideal solution for demanding industrial applications including mold making, prototyping, and complex parts manufacturing.

Performance Metrics



The DK7763D-CT provides exceptional surface finish and dimensional accuracy for complex industrial parts.

Key Performance Metrics

250 mm²/min
Max Cutting Speed

1.2 μm
Best Roughness

3000 kg
Table Load Capacity

Max Working Current

9 A

Technical Specifications

Worktable & Travel

Parameter	Specification	Unit
Worktable Size (L x W)	660 x 1000	mm
Table Travel (X x Y)	630 x 800	mm
Max. Workpiece Thickness	500	mm
Max. Taper Angle	+/- 3°	degree/mm

Machining Precision

Precision Standards

Type	Accuracy
Octagon Precision	d0.012mm
Taper Precision	d0.04mm

Control System

System Features

- BMXP software running on Windows XP
- Direct AutoCAD compatibility
- Industrial computer with LCD monitor
- New High-frequency Power supply (BMW-5000)
- Double Direction Servo wire tension system

Hardware Components

Premium Components

- Japan Yaskawa/Mitsubishi Servo Motors
- U.S.A. Emerson inverter
- PMI Linear Guide ways
- Centralized lubrication system

Wire & Fluid

Wire Specifications

Feature	Value
Wire Diameter	0.15 ~ 0.2 mm
Wire Traveling Speed	5 ~ 11 m/min
Wire Wear Rate	0.01mm per 400,000mm ²
Working Reservoir Capacity	100 L

Compliance

Certifications

CE Certified, ISO 9001, 6S Management System