

Precision EDM Drilling Machine

The EDM drilling machine is designed for precision electrical discharge machining. It creates small, accurate holes in various conductive materials, making it ideal for tool and die making, aerospace, and medical applications.



ADDITIONAL IMAGES



Overview

High-Precision EDM Drilling

This high-speed small hole drilling machine utilizes electrical discharge technology to create precise holes ranging from 0.2mm to 3.0mm in diameter. It is engineered for versatility, capable of machining stainless steel, hardened steel, copper, aluminum, and hard alloy steel with a depth-to-diameter ratio of up to 300:1. The system features advanced ZNC control and is ideal for complex applications including engine blades, spinneret plates, and hydraulic valves.

Technical Specifications

Work Table Dimensions	310 x 486 mm
Work Table Travel	300 x 400 mm
Z-Axis Travel	300 + 320 mm
Max Table Load	300 Kg

Performance Metrics

Performance Highlights

30 A Max Current	60 mm²/min Max Drilling Speed	300 mm Max Depth
Electrode Diameter Range	0.3 - 3.0 mm	

System Requirements

Max Power Consumption	3.5 KVA
Voltage	220-415V / 50HZ
Working Solution	Water, Saponification

Physical Dimensions

Machine Weight	700 Kg
Machine Dimensions	1236 x 1025 x 1934 mm
Packing Dimensions	1430 x 1340 x 2000 mm

Features

Key Capabilities

- Drill directly into bevel or curve surfaces
- Erode broken drill bits or taps without damaging original holes
- ZNC Control (Z-axis NC Control)
- Adjustable control box
- Marble working table
- Stainless steel fixtures