

CNC Fine Hole EDM Drill

This CNC fine hole EDM drill is a precision machine for creating small, accurate holes. It utilizes electrical discharges to erode material, enabling intricate shapes with tight tolerances.



Product Overview

Precision Fine Hole EDM Drilling

This CNC Fine Hole EDM Drill is engineered for high-precision material erosion, ideal for creating intricate holes in components like filter plates, motor blades, and hydraulic circuits. Featuring advanced control systems and robust mechanical components like ball screws and linear scales, it ensures consistent accuracy and rigidity. The machine is also highly effective for removing broken drill heads or awls from workpieces without damaging the surrounding hole threads.

Key Features

Core Capabilities

- Two CPU control system (DK series)
- Automatic 3-axis positioning (X, Y, Z for DK series)
- X/Y Ball screw drive for high rigidity
- Linear scale for closed-loop feedback
- Automated drilling for up to 800+ preset holes (DK series)
- Loss ratio setting for precise depth control
- Adapted-control for smooth internal surface finish

Technical Specifications

Model Specifications

Specification	D703B	DK703-A28	DK703-A40
Work table size (mm)	320x440	580x400	850x550
X, Y axis travel (mm)	200x300	280x360	400x500
Z axis travel (mm)	250/200	300/300	300/300
Fluid capacity (L)	10	10x2	10x2

Typical Applications

Wire Hole (WEDM), Spurting Silk Holes, Filter/Sieve Plates, Motor Heat Dissipation, Hydraulic Circuits, Broken Tool Removal