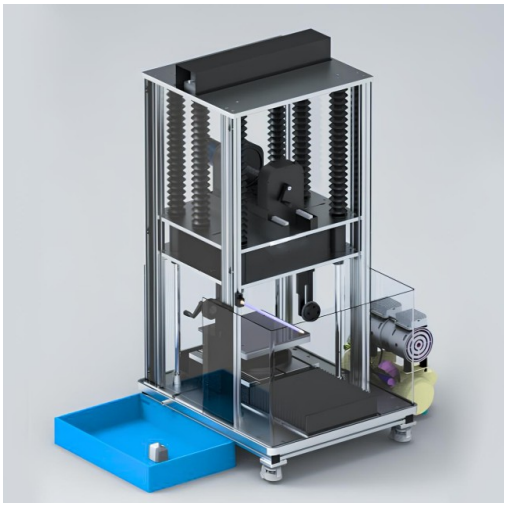
12 Inch 24 Inch High Precision Automatic Diamond Wire Cutting Machine Laboratory Saw Precision Wire Edm Cutting Machine

Item Number: CM-3



Introduction

The high precision automatic diamond wire cutting machine is a versatile cutting tool that uses a diamond wire to cut through a wide range of materials, including conductive and non-conductive materials, ceramics, glass, rocks, gems, jade, meteorites, monocrystalline silicon, silicon carbide, polycrystalline silicon, refractory bricks, epoxy boards, and ferrite bodies. It is especially suitable for cutting various brittle crystals with high hardness, high value, and easy to break.

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Power supply	220V 50Hz
Power	<475W (max)3
Spindle motor	AC variable frequency motor, power 250W
Y, Z, R-axis motors	precision stepper motors
Cutting line wire transportation speed	0-8m/s adjustable,digital display
Total length of cutting line	≤ 150m
Cutting line diamete	≤ 0.45mm
Y-axis travel	≤ 300mm, digital display
Z-axis travel	≤ 300mm, digital display
Y and Z axis feed indication accuracy	0.01mm
Workbench corner	0-360 ° Resolution 0.01 ° Digital display
Workbench repeat positioning accuracy	<0.032 °
Cutting sample size	Ø 300mm × 300mm (max)