

CNC Water Jet Cutting Machine

This CNC water jet cutting machine uses high-pressure water to cut through a variety of materials. It is designed for intricate cuts on materials including metal, stone, glass, and composites.



Overview

High-Performance CNC Water Jet Cutting

This CNC water jet cutting system utilizes ultra-high-pressure technology to deliver precision cutting across a wide spectrum of materials. By pressurizing tap water to 200-400Mpa and utilizing a fine gem nozzle, the system achieves cutting speeds of 800-1000m/s. It is versatile enough to process soft materials like rubber and paper, as well as hard materials including stainless steel, marble, and glass.

Performance Metrics

Waterjet Speed

1000 m/s
Max Speed

Operating Pressure 200-400 Mpa

Nozzle Bore Size 0.1 - 0.35 mm

Cutting Table Specifications

Available Table Sizes

Model	Dimensions
HD1525B	1500mm x 2500mm
HD2030B	2000mm x 3000mm
HD2040B	2000mm x 4000mm
HD3020B	3000mm x 2000mm
HD2060B	2000mm x 6000mm

Key Table Features Bridge Style, High Rigidity, Aluminum Alloy X-Beam, ABBA Ball Screw, Linear Guide

Intensifier Pump

Pump Performance

- Max Hydraulic Pump Flow: 90L/min
- Max Discharge Capacity: 3.7L/min
- Integrated Heat Exchanger
- Two-step up water supply

Control Interface 7-inch Touch Screen

CNC Controller

Controller Specifications

- 19-inch LCD Display
- DXF File Support
- Windows XP Based Software
- Omron PLC Integration

Materials Compatibility

Compatible Materials

Paper • Rubber • Sponge • Glass • Marble • Ceramics • Stainless Steel