

CNC Granite Stone Cutting and Milling Machine

This CNC machine is designed for cutting, milling, and machining granite. It features a high Z axis and heavy structure suitable for processing large dimension granite blocks.



Overview

High-Performance Stone CNC Solution

This CNC Granite Stone Cutting and Milling Machine is engineered for heavy-duty industrial applications, featuring a high Z-axis design specifically for large-dimension granite engraving. Built with a tempered thick-walled steel frame and a 6KW water-cooled spindle, it ensures stability and power for intricate carving and heavy stone processing. The system is fully dustproof and waterproof, making it a durable choice for professional stone, tombstone, and countertop fabrication.

Key Performance Metrics

Performance Highlights

6 kW Spindle Power	25 m/min Max Travel Speed	1600 kg Net Weight	600 mm Z-Axis Clearance
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Technical Specifications

Model	S1325H
X-Y-Z Working Area	1300 x 2500 x 600 mm
Resolution	0.01 mm
Spindle Speed	0-24000 r/min
Working Voltage	AC380V/50-60HZ

Mechanical Design

Drive Systems

Axis	Mechanism
X-Y Axis	Rack pinion and gear drive
Z Axis	Ball screw drive
Guides	Linear square rails

Build Features

- Thick-walled rectangular steel frame tempered at high temperature
- Triaxial enclosed dustproof and waterproof design
- Inbuilt table space for hard block reinforcement
- Automatic water cooling system for cutters

Compatible Materials

Processable Materials

Granite, Marble, Artificial Stone, Quartzite, Travertine, Sandstone, Ceramic Tile, Jade, Aluminum Block, Copper

Control & Software

Control & Software

Category	Specification
Controls	NC studio
Software Support	Ucancam V8 / type3 / artacam
Command Code	G code
Collet Sizes	3.175mm, 6mm, 12.7mm

Applications

Industry Applications

Stone Processing • Tombstone Engraving • Countertop Cutting • Decoration • Crafts Industry