

Stone CNC Router with Automatic Tool Changer

This stone CNC router is designed for precise cutting, carving, and engraving of stone materials. It features an automatic tool changer for seamless transitions between different cutting tools, enhancing productivity and versatility.



Overview

High-Efficiency Stone Processing

This stone CNC router features a round-type automatic tool changing system that significantly boosts productivity with an 8-second exchange time. Built for stability and precision, the machine utilizes a welded seamless steel structure and high-quality linear guideways to ensure reliable performance. It is equipped with advanced servo motors and a Windows-based control system, making it a versatile solution for complex stone cutting, carving, and engraving tasks.

Performance Metrics

Tool Change Time

8 seconds

Exchange Time

Technical Specifications

Drive System Components

- Japan YASKAWA servo motor with built-in encoder
- Taiwan HIWIN linear guideway
- Ballscrew Z-axis mechanism
- Imported ball screw drive

Spindle Cooling

Water cooling

Machine Construction

Welded seamless steel structure, Steel gantry side board, Heavy loading compatible

Software & Control

Control System Capabilities

- Windows-based embedded numerical control
- Anti-interference hardware and software design
- 3D space curve prediction algorithm
- Advanced file pretreatment and error correction

Compatible Software

Mastercam • Typ3 • UG • Artcam • Caxa