

CNC Router for Wood and Stone

This CNC router is designed for carving wood cabinets and cutting granite stone. It is equipped with a water tank and sprayer for cooling the cutter bit during operation.



Overview

Versatile CNC Solution for Wood and Stone

The SW1318C is a multi-functional CNC engraving and cutting machine designed for high-efficiency processing of both wood and stone materials. Equipped with a specialized water tank for cooling and a high-precision Taiwan ball screw system, it ensures smooth movement and durable performance for intricate 3D carving and heavy-duty cutting. This machine is ideal for professional workshops producing furniture, signage, and architectural stone elements.

Performance Highlights

Performance Metrics

1300 mm

Working Width

1800 mm

Working Length

3 kw

Spindle Power

24000 RPM

Max Spindle Speed

Technical Specifications

Working Area & Accuracy

Parameter	Specification
Working Area	1300 x 1800 x 200 mm
Table Size	1400 x 1900 mm
Working Accuracy	0.03 mm
Repositioning Accuracy	0.03 mm
Max Travelling Speed	30 m/min
Max Working Speed	25 m/min

Hardware & Components

Mechanical Components

- Transmission: X/Y axis by rack and pinion, Z axis by ball screw
- Guide Rail: Taiwan Hiwin linear rail
- Spindle: Water cooling brushless spindle
- Inverter: Fuling inverter
- Motor: Fuxing stepper motor
- Control System: DSP handle

Applications

Industry Applications

- Three-dimension wave board processing
- Wood furniture and cabinet carving
- Art windows and screen stencils
- Sign plate and plastic molding
- Soft metal engraving and cutting

Compatible Materials

Wood, Granite, Stone, Acrylic, PVC Board, Aluminum, Copper, Iron, Plastic Plate

Physical Properties

Dimensions & Weight

Attribute	Value
Overall Dimension	2450 x 2150 x 1800 mm
Total Weight	Approx. 900kg
Power Supply	AC220V/50-60Hz or 380V 3-Phase

Options & Support

Optional Upgrades

Rotary Axis • Custom Machine Sizes

Warranty

1 Year