

Mini CNC Router with DSP Control

This mini CNC router features a DSP control system for precision cutting and engraving. Its compact design, safety housing, and user-friendly interface make it suitable for prototyping, education, and small-scale production on materials like wood, acrylic, and soft metals.



Overview

Compact High-Precision CNC Solution

This Mini CNC Router features a robust aluminum cast construction designed for stability and long-term reliability. Equipped with an 800W water-cooled spindle and a DSP control system, it offers high efficiency and ease of use for various cutting and engraving tasks. The fixed-gantry design, combined with a moving table, ensures superior accuracy for prototyping, mold making, and small-scale manufacturing.

Technical Specifications

Working Area (X, Y, Z)

400 mm
X-Axis

400 mm
Y-Axis

60 mm
Z-Axis

Spindle Performance

800 W
Power

24000 r/min
Max Speed

Machine Capabilities

Feature	Specification
Max Travel Speed	9 m/min
Resolution	0.01 mm
Cooling Mode	Water Cooling
Drive System	Stepper Motor
Structure	Taiwan Ball Screw

Operational Details

Supported Command Formats

- G code
- u00
- mmg
- plt

Software Compatibility

Type3, Artcam, Castmate, Wentai, CAD/CAM

Power Requirements

AC220V / 50/60 Hz, 2PH

Applications

Compatible Materials

Wood • Plastic • PVC • PCB Board • MDF • Artificial Stone • Acrylic • Brass • Aluminum

Industry Applications

- Mold Manufacturing
- Craft Manufacturing
- Indoor Decoration Cutting
- Sign and Mark Manufacturing
- Stamp and PCB Drilling