

MR Series – MTC

Single Phase Option

The Mintech MR Series CNC Router is a high-performance machine designed for precision cutting and engraving in demanding environments like woodworking, advertising, and automotive interiors. It features a 3.5kW, 24,000 RPM water-cooled spindle with helical racks for X and Y axes and a ball screw for the Z axis, ensuring smooth movements.

Equipped with a handled control box, manual tool change system, and T-slots for secure material handling, it is designed for easy maintenance with an auto auto tooling sensor.

The MR Series supports rapid traverse speeds up to 115 feet per minute and handles materials up to 4 inches thick. Available in 4x8 feet and 5x10 feet sizes, it also offers customization options. Optional features like a CCD camera system and various vacuum pumps enhance its versatility for diverse industrial applications.



vacuum table,
lubrication system and

Features

- Handled Control Box
- 4.8HP 3.5kW 24000RPM Water-Cooled Spindle
- X, Y Axis Helical Rack; Z Axis Ball Screw
- Manual Tool Change
- Vacuum Table
- T-Slots on Both Side of Worktable
- Spindle Following Dust Collection System
- Tool Cooling Mist Spray Nozzle
- Single Phase 208V

Standard Size

- 4 x 8 ft
- 5 x 10 ft

Supported Software/Format

Any CAD/CAM file formats:

•.NC •.DXF •.AI *etc*

Softwares:

•Alphacam •Enroute •VCarve •Coreo •ProNest *etc*

Certificates



Material Cutting Capabilities

•Plastics •Non-ferrous metals •Composite materials •Wood




Applications

•Signage •Automotive •Wood Working •Art and Design •Architectural/Construction •Small Workshop

Technical Specifications

Standard Size		Max Material Thickness		Rapid Traverse	
4x8 ft	1250x2500 mm	4 Inches	100 mm	115 ft / min	35 m / min
5x10 ft	1530x3060 mm	4 Inches	100 mm	115 ft / min	35 m / min
Spindle:		4.8HP 3.5kW 24000 RPM			
Power:		208-240V Single Phase			
Motors (X-Y-Z Axes):		Servo Motor			
Tool Change:		MTC (Manual Tool Change)			
Vacuum Zones:		4x8 ft	4 ZONES		
		5x10 ft	6 ZONES		
		Customized Size	Customizable		
Control System:		Standard	H – 203A (Handheld control)		
Spindle Cooling Method:		Water cooling			
Rails and Blocks (X-Y-Z Axes):		25mm Linear square rail and block			
Transmission (X-Y Axes):		MINTECH Helical rack and pinion drivers			
Transmission (Z Axis):		TBI ball screw transmission			
Lubrication System:		Auto lubrication system			
Tool Sensor:		Auto tooling sensor			

Options Available

CCD Camera (System Included)			
Vacuum Pump	Becker Brand	10 HP 250 m³/h	
		7.5 HP 160 m³/h	
	Mintech Brand	10 HP 250 m³/h	
		5.7 HP 380 m³/h	