



5000 SERIES CNC ROUTER

BUILT TO WITHSTAND **MAXIMUM** ROUTER SPEED AND PRODUCTION

Unmatched Capabilities for Heavy-Duty Applications

A highly versatile and powerful machine tool that provides a range of benefits. It is designed to withstand the most challenging industrial environments, ensuring maximum durability and longevity.

Key Features

- ✓ High Horsepower Spindle
- ✓ Motion Platform
- ✓ User-Friendly Operator Interface
- ✓ New All-Steel Tube Frame



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 **MULTICAM**
A Kongsberg PCS Company

Tapping Made Easy

The pneumatic quick change rotary unit adds knife and tapping tool change capabilities.

Cast Steel Gantry, Risers, & Base Frame

The base and gantry are made from a rigid 3/8" thick tube frame that is welded, stress-relieved, and precision machined allowing users higher speeds for optimum edge quality.

Helical Rack & Pinion

Helical racks are standard on the 5000 Series and coupled with 25mm rail provides smooth, accurate motion across any size table.

24K & 32K RPM up to 13.4 HP Spindle Options

Multiple manual and ATC spindle options to cover any cutting application. Higher horse power spindle options for large tooling, higher chip load on dense materials and high RPM's for supreme edge finish pass cutting.

Digital Servo Drives

Digital servo drives and brushless digital AC servo motors for a digital vector servo drive system are standard on all 5000 Series machines.

Surface Probe & Calibration Sensor

Reduce machine setup time with this automated hands free option. Easily set tooling lengths and material work surface accurately.

Active Dust Boot

Motorized dust boot automatically maintains bristles at top of material regardless of tool length ensuring maximum particulate pick up.

Linear & Rotary Spindle ATC Options

Having multiple spindle tools for various cut processes is no problem for the 5000 Series to automatically pick up tools from a 12 position rotary tool changer as well as options of single linear rack (6-11 locations) or dual linear rack (12-22 locations).

Single or Dual Knife

There is an amazing list of materials that can be easily cut using our different knife options of pneumatic or electric oscillating knife and several quick change drag knife holders.

Computer Workstation

Adjustable ergonomic stand with an all-in-one 24" PC pre-loaded with Coreo machine software. Upgrade to full CAD/CAM suite for efficient streamlined at machine workflow.

EZ Control

MultiCam's EZ Control provides all users from novice to advanced, with the most powerful and easy to- use control system available on today's market. New operators can be productive in as little as an hour.

MultiVision

A dynamic digital registration system that provides additional flexibility by visually recognizing media registration marks and automatically compensating for skew and image drift.

	Specifications		
Max Material Thickness	6" 152 mm	8" 203 mm	
Gantry Height	8" 203 mm	12" 304 mm	16" 406 mm
Cutting Speed	1600 IPM 677.33 mm/sec.		
Rapid Traverse	2263 IPM 958 mm/sec.		
Repeatability	+/-0.001" +/-0.025 mm		
Drive System (X,Y)	Helical		
Drive System (Z)	Ball Screw		
Standard Work Surface	1" Phenolic 25.4 mm Phenolic		

	Models
103	50" x 100" 1270 x 2540 mm
204	60" x 122" 1524 x 3099 mm
304	84" x 122" 2134 x 3099 mm

Other sizes available

