



APEX3R CNC ROUTER

THE NEW STANDARD FOR CNC ROUTERS

Perfect Balance of Performance & Precision

MultiCam's flagship Apex3R CNC Router sets the standard for routing capabilities with cut speeds up to 1,950 inches per minute (IPM), the Apex3R offers world class motion, speed, and cut quality. Designed for a wide range of applications, the Apex3R is the perfect solution for companies looking for both value and high performance in a CNC Router.

Key Features

- All-Steel Construction** for tight control
- Servo Motor System** for precise cut quality
- High RPM Spindle Options** for increased cutting capacity
- Helical Rack & Pinion** for smooth motion
- User-Friendly** operator interface



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 Apex3R 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 Apex3R 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 Apex3R 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* | 4 - 5" 101.6 - 127 mm |
| Gantry Height | 6", 8" 152.4 mm, 203.2 mm |
| Cutting Speed | 1950 IPM 825.5 mm/sec. |
| Rapid Traverse | 2758 IPM 1167.6 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 |

*Stock machine comes with standard 6" gantry clearance.

| Model | Dimensions |
|-------|-------------------------------|
| 103 | 53" x 100" 1346 x 2540 mm |
| 204 | 63" x 121" 1600 x 3073 mm |
| 304 | 83" x 121" 2108 x 3073 mm |
| 405 | 104" x 146" 2642 x 3708 mm |

Other sizes available

| Options | |
|-------------------------------------|----------------------------------|
| Laser Pointer | Pop-Up Pins |
| Mister | Manual or Pneumatic Vacuum Zones |
| Tooling Kits | Dust Collection System |
| Light Workstation with 24" Computer | |

