



MULTICAM CNC ROUTERS

**Automation made simple
featuring the best value
in the industry**

APEX1R

The ultimate choice for end-users seeking quality, performance, and unbeatable value.

The Apex1R CNC Router is tailored with small businesses and shops in mind, delivering the same precise cutting and smooth motion you've come to expect from MultiCam's industry-leading routing systems.

The Apex1R CNC router offers a range of standard features typically found only on higher-priced machines. Thanks to MultiCam's advanced manufacturing processes, you get exceptional quality and performance at an affordable price.



5 **User-Friendly Operation**
MultiCam's EZ Control operator interface allows you to begin routing immediately, minimizing disruptions to your workflow.

4 Newly Redesigned Dust Boot

This enhanced system maximizes particulate pick up, minimizes clean-up, and speeds up sheet-to-sheet transitions for increased efficiency.

| Specifications | |
|------------------------|---------------------------------|
| Max Material Thickness | 3" 76 mm |
| Gantry Height | 7" 178 mm |
| Repeatability | +/-0.001" +/-0.025 mm |
| Cutting Speed | 1300 IPM 550.3 mm/sec. |
| Rapid Traverse | 1838 IPM 778 mm/sec. |
| 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 120" 1524 x 3048 mm |
| 304 | 80" x 120" 2032 x 3048 mm |

Other sizes available

Apex1R Options:

- 4HP to 10HP Spindles
- 2 mm / 5 mm Electric Oscillating Knife
- Tangential Knife Cutters
- Automatic Knife Tool Changer
- Linear Automatic Tool Changer
- Coolant Mist Systems for Non-Ferrous Metals
- MultiVision Digital Registration System
- Pop-up Alignment Pins
- Vacuum Table & Pumps
- Laser Pointer



APEX3R Evo

A new evolution in high-performance routing

Experience unparalleled high-performance routing with the Apex3R Evo, MultiCam's latest flagship CNC Router. Delivering exceptional cut quality and edge finish at an affordable price.

Designed and engineered to cater to a wide range of applications, the incredibly versatile Apex3R Evo offers excellent routing capabilities for thick or dense substrates, delivers precise edge quality, capable of mirror edge finish on aluminum and clear edge on acrylic.

1 Durable Construction for Superior Routing Quality

The Apex3R Evo's robust all-steel frame, high-precision gearbox, and a tightly tuned servo system ensure accurate, pristine cuts.



3 Tapping Made Easy

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

2 Cut More – Better, and Faster

Collet and ATC spindle options range from an impressive 24-32K RPM and up to 13.3 HP, enabling you to tackle a wide range of jobs faster and with greater precision.

4 Enhanced Efficiency

The hands-free surface probe and new camera system simplify job setup and reduce errors.

Streamline your workflow

Productivity Options Include:

- Pneumatic Quick Change Rotary Unit for Knife and Tapping Tools
- Automatic Drag Knife Changer
- Electric Oscillating Knives
- Linear Tool Changer
 - 6 - 22 Locations
- Rotary Tool Changer
 - 12 Locations
- Motorized Dust Boot with Integrated Coolant Mist System
- Pop-Up Alignment Pins
- MultiVision Digital Registration System
- Laser Pointer
- 24" Computer Workstation



| Specifications | | |
|------------------------|---------------------------------|--------------|
| Max Material Thickness | 4" 101 mm | 5" 127 mm |
| Gantry Height | 6" 152 mm | 8" 203 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.

| Models | |
|--------|-------------------------------|
| 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" 2641 x 3708 mm |

Other sizes available

5000 SERIES

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.

From aluminum to woodworking fabrications, and everything in between, this machine is capable of handling a wide range of materials and applications. Its versatility makes it the perfect solution for businesses looking to streamline their production processes onto a single, powerful machine.



1 High Horsepower Spindle

Accommodate larger diameter tooling with a 13.4 or 20 HP spindle to cut dense materials that demand higher torque capacity.

2 Motion Platform

Heavy-duty servo motors and high-torque precision gearbox assemblies that are designed to optimize performance, minimize vibration, and improve acceleration.

3 User-Friendly Operator Interface

The EZ Control interface provides operators with an intuitive platform to set up, configure, and operate the machine. This easy-to-use interface streamlines the manufacturing process and ensures maximum efficiency and output.

A multitude of options to optimize production and quality

Featuring a robust welded steel frame and spindle options of up to 20 HP, the 5000 Series CNC Router is a long-standing favorite in the industry.

This machine delivers exceptional dimensional accuracy, superior edge quality, and boosts optimum cut speeds of up to 1,920 inches per minute (IPM).

- The gantry-mounted 12-position rotary carousel enables rapid tool changes, allowing for efficient completion of your files.
- The advanced dual-head configuration is capable of cutting files using a single head, dual heads in tandem, or mirrored heads during a single cutting motion.
- The high-speed and high-horsepower spindle accommodates larger diameter tooling, making it ideal for cutting dense materials that demand higher torque capacity.

Productivity Options Include:

- 5x5 Gang Drill Bank
- Dual-Head ATC Configuration
- Dual Knives
- Motorized C-Axis for Aggregate Tooling
- Linear Rack for Aggregates or Additional Spindle Tools

| Max Material Thickness | Specifications | |
|------------------------|---------------------------------|---------------|
| | 6" 152 mm | 8" 203 mm |
| Gantry Height | 8" 203 mm | 12" 304 mm |
| Cutting Speed | 1920 IPM 812.8 mm/sec. | |
| Rapid Traverse | 2715 IPM 1149.4 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 8" gantry clearance.

| 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 |
| 405 | 96" x 144" 2438 x 3657 mm |
| 506 | 120" x 169" 3048 x 4292 mm |

Other sizes available

Optimize your production workflow and sharpen your techniques

Enroll in our Applications Training Courses

Our training programs, led by industry professionals, offer hands-on experiences and in-depth understanding of practical application and techniques tailored to your production needs. Whether you prefer to complete your courses on-site at your business location or at our headquarters in Dallas, TX, you can count on receiving top-notch training that will sharpen your skills and optimize your workflow. Our programs are designed to meet the specific needs of your business, ensuring that you get the most out of your training experience.

Phone Support & Field Technicians

Choose MultiCam Service for the best care of your machine. Our nationwide team of factory-trained and certified field technicians has over 140 years of combined hands-on experience to provide comprehensive support for your machine, both during and after your designated warranty period. With our expert service, you can rest assured that your machine will be well-maintained and functioning optimally, allowing you to focus on your business and maximize your productivity.

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