



APEX1R CNC ROUTER

HIGH PERFORMANCE AT AN UNBEATABLE VALUE

Precision. Power. Possibilities.

MultiCam heard the industry challenge and has built the first fully capable, turnkey CNC solution at an affordable price! This rigid and reliable servo driven machine has four spindle options and either a single or dual tangential knife option. Both the spindle and knife are perfectly suited to cut a multitude of materials with unsurpassed performance and cut quality.

Key Features

- ✓ **Steel Constructed Table & Gantry** with helical rack
- ✓ **Servo Motor Gearbox** for accurate positioning on all axes
- ✓ **Multiple Spindle Options** for a wide variety of applications
- ✓ **Knife Accessories** to increase cutting capabilities
- ✓ **User-Friendly** operator interface



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 **MULTICAM**
A Kongsberg PCS Company

Base Frame

A solid-steel frame design is standard on the Apex1R. It provides a heavy and accurate platform that translates into gentle motion for clean, smooth cuts.

Router Spindle

Comes equipped with a high frequency spindle of up to 10HP and 24K RPM, providing optimal durability for cutting thin or dense materials.

Helical Rack

Helical racks are standard on the Apex1R and provide smooth and accurate motion as the gantry moves through all axes.

Linear Auto Tool Changer

The ATC spindle offers a linear rack for spindle or knife pickup locations. Automatic spindle tool pickup rack is a high value yet low cost option. (4-14 locations based on width of machine)

Gantry

MultiCam engineered the gantry from steel tube that is precisely machined for maximum rigidity at the spindle tool, providing users with optimum edge quality.

Tangential Knives

The single or dual knife system expands the cutting capabilities of the Apex1R by allowing a wide range of materials to cut with electric oscillating or the automatic quick change drag knife attachments.

	Options
MultiVision	Laser Pointer
Mister	Barcode Scanner
Automatic Quick Change Knife & Oscillator	Dust Collection System
Light Workstation with 24" Computer	

	*Models
103	48" x 96" 1219mm x 2438mm
204	60" x 120" 1524mm x 3058mm
304	83" x 121" 2108mm x 3073mm

*Other sizes available

Servo Drive System

The Apex1R comes standard with a robust drive motor system with servo drives to allow for powerful yet fluid motion.

4 Zone Vacuum Work Surface

Optimize vacuum hold down using 4 zoned milled phenolic work surface grid pattern to accept custom gaskets for better vacuum control. Upgrade to pneumatic valves for enhanced workflow and time savings.

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.

Laser Pointer

Quickly and accurately identify reference points on the material to minimize job set-up time.

	Specifications
Max Material Thickness	3" 76.2mm
Repeatability	+/-0.001" +/-0.025mm
Cutting Speed	1300 IPM 550.33 mm/sec.
Rapid Traverse	1900 IPM 804.3 mm/sec.
Drive System (X,Y)	Helical
Drive System (Z)	Ball Screw
Standard Work Surface	1" Phenolic 25.4mm Phenolic

