

MultiCam[®] M Series

MultiCam M Series – Cost Effective Routing Solutions

Like to Save Money, But Not Sacrifice Quality? Want To Cut Up To 600 IPM? Looking For a Gantry Style Machines With a Rigid Steel Frame?

MultiCam introduces the M Series. Designed for sign manufacturing and light duty panel processing, the M Series is the perfect solution for companies looking for value in a CNC router along with the ease of use, quality features and high level of service that come with owning a MultiCam.



M Series Standard Features

No machine offers more standard features than the MultiCam.

- All-steel construction
- Automatic Tool Calibration
- User-friendly operator interface
- 25 mm linear ball bearing profile rails for maximum stiffness
- 600 inches/minute rapid traverse
- High-speed 3 axis Motion Controller
- 8 Megabytes of Memory with unlimited file size transfer capabilities
- Standard Ethernet or RS232 direct connections

Keypad

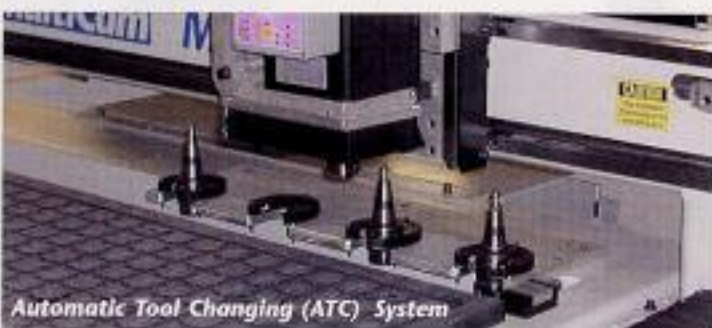
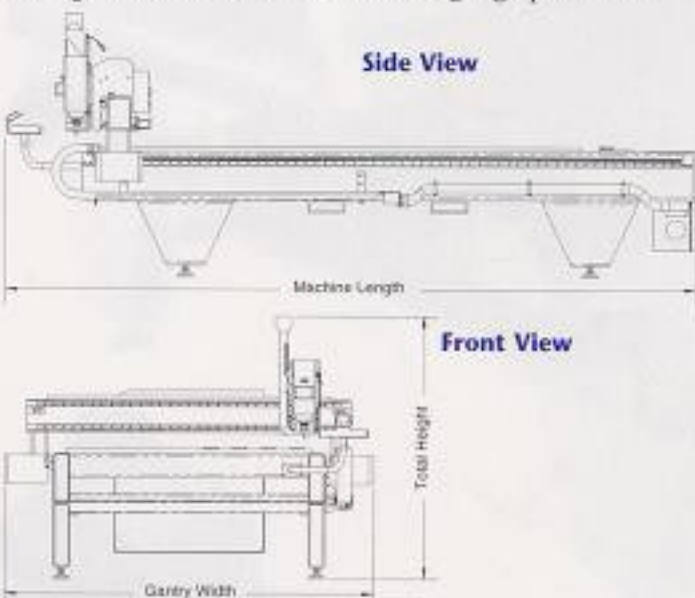
- Handheld keypad allows operator to set job parameters, jog the machine, perform system tests and download jobs from a remote computer system
- Router Productivity Suite software is included



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CONTROLLER The MultiCam 3D controller is the easiest to use in the industry. It has been developed specifically for CNC routing with features found only on the most expensive machines. Fifteen functions are accessible via one touch hot keys. MultiCam is compatible with any CAD/CAM system or graphic design package outputting HPGL or G-Code files. Router Productivity Suite Software is included.

CONTROL FEATURES Keypad interface for ease in jogging and setting user parameters • Feedrate and spindle speed control on the fly • Pause instantaneously anywhere in the job • 4MB Replay Memory • Jog while paused and resume automatically • Direct Ethernet Connection using TCP/IP • Reset cut speed and depth while paused • DNC allows the operator to download files of unlimited size from a remote computer • DNC tracks job run times and Job Reporter reports the results • DNC runs in the background in Windows • Proximity restart allows you to restart any job from any position on any contour simply by jogging to the desired location • An automatic touch probe is standard for setting material surface and for table gouge protection.



SPECIFICATIONS

Machine

- Drive System: X and Y axis Rack and Pinion and Z axis lead Screw
- Standard Power: 220V/50 or 60HZ
- Warranty: 1 Year Parts
- Repeatability: +/- .001"
- 1" Phenolic table surface
- All Steel Table and Gantry Construction Stress Relieved and Machined
- Auto Surfacing Sensor

Controller

- Type: Stand Alone RISC/DSP
- Interface: RS232 or Ethernet / DNC
- Memory: 8 MB
- File Size Limit: Unlimited
- File Type: M & G codes (EIA 274D), U-Cito, & HPGL

Electrical/Air/Dust

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- Optional Power: 380 or 460V / 3 phase

OPTIONS:

- Porter Cable 3.25HP router spindle
- Colombo collet spindles with electric fan cooling and three bearings 2 HP 24,000 RPM, 4HP 24,000 RPM, 7.5HP 18,000 RPM
- Colombo Automatic Tool Changing (ATC) Systems
- 2 HP 40,000 RPM compressed air cooled and 5.5 HP 24,000 RPM electric fan cooled spindles.
- 4 and 8 tool linear ATC systems available.
- Part Scanning
- Rapid Shape 2D Digitizer
- General Bar Code Interface
- Auto mister
- Engraving Spindle
- Vinyl castor knife/plotter holder
- High Frequency Spindles
- CAD/CAM Software
- CE Certification

Vacuum System Positive Displacement

- HP: 10, 20
- Capacity: 200-425 CFM
- Use: Random Shape Cutting

High Pressure

- HP: 5, 10
- Capacity: 70, 168 CFM
- Use: Fixtured Parts

MultiCam	M 100		M200			M300	
Resolution:	.0001"/pulse		.0001"/pulse			.0001"/pulse	
Repeatability:	+/- .001"		+/- .001"			+/- .001"	
Cutting Speed:	600 IPM		600 IPM			600 IPM	
Rapid Traverse:	600 IPM		600 IPM			600 IPM	
Machine Length:	M101 99"	M103 148"	M202 100"	M204 171"	M205 193"	M304 171"	M305 193"
Width - Table:	61"		71"			91"	
Width - Gantry:	80.25"		90.50"			110"	
Table Height:	32"		32"			32"	
Process Area:	M101 = 50" x 50" M103 = 50" x 100"		M202 = 60" x 60" M204 = 60" x 120" M205 = 60" x 144"			M304 = 80" x 120" M305 = 80" x 144"	
Bridge Clearance:	4'		4'			4'	
Z-Axis Stroke:	6"		6"			6"	
Weight:	M101 2,700	M103 3,300	M202 3,100	M204 3,500	M205 3,900	M304 3,800	M305 4,600