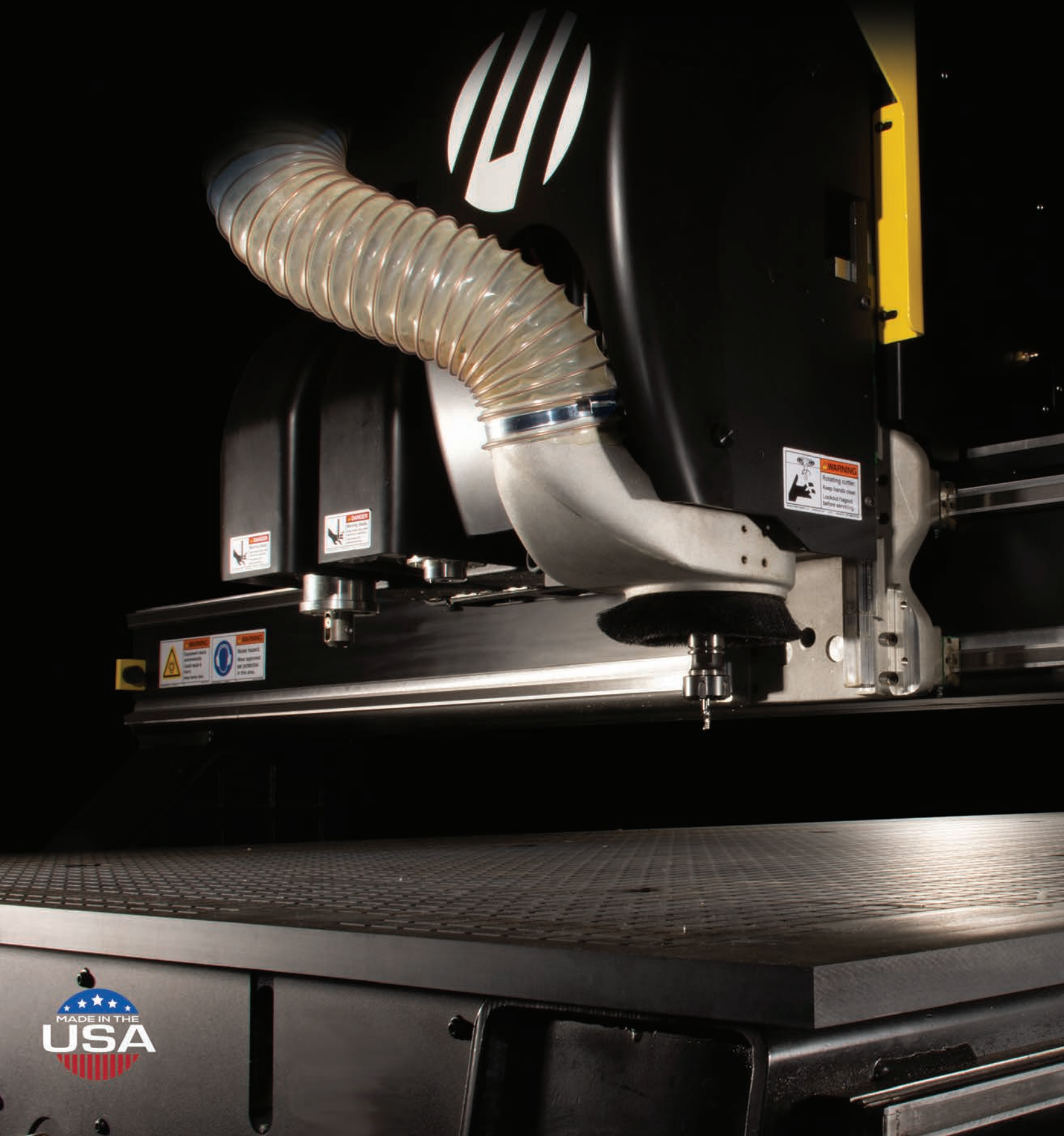
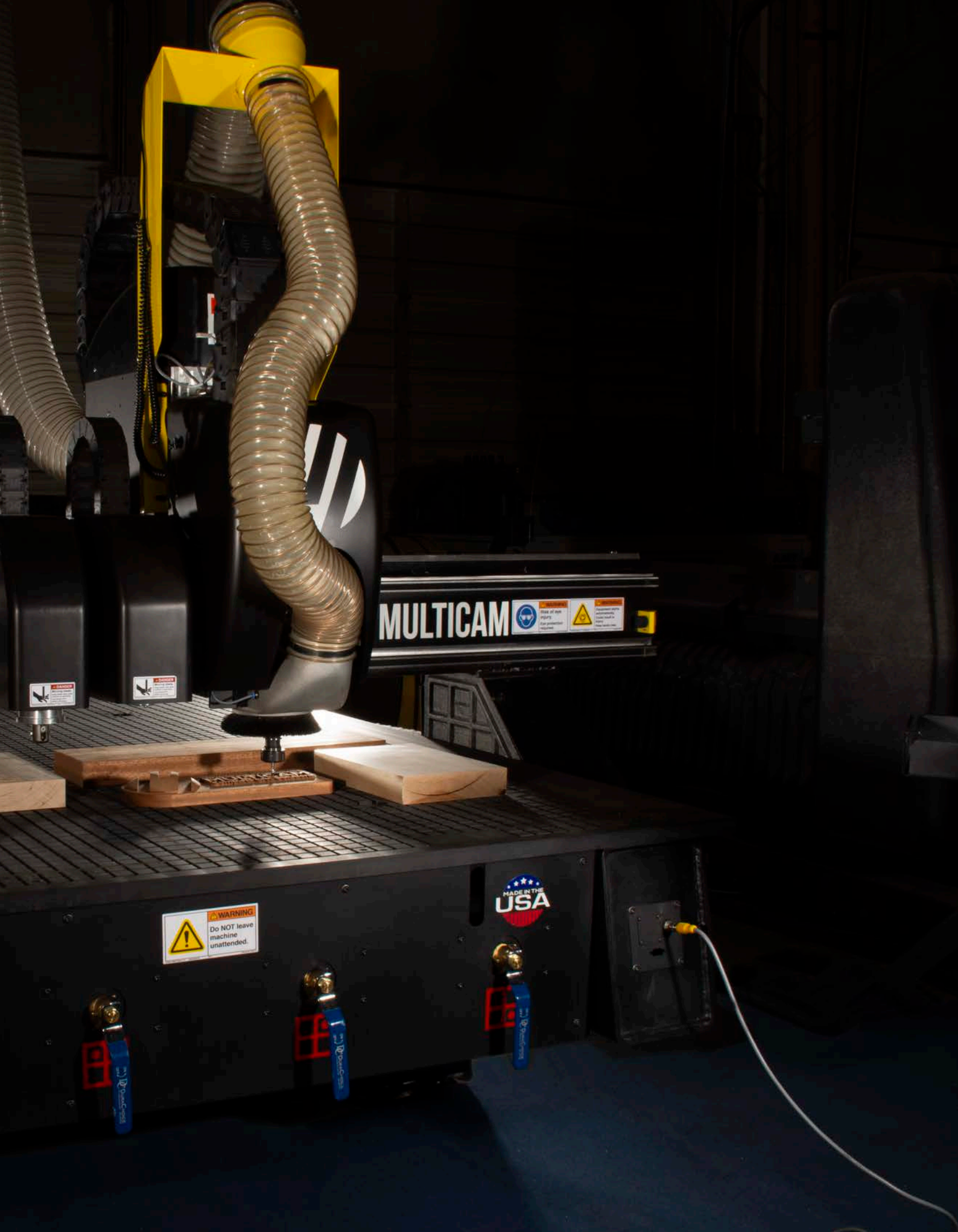


MULTICAM CNC ROUTERS

34
1989-2019





MULTICAM





WHY MULTICAM?

With over 30 years of experience in manufacturing CNC Routers, MultiCam is one of the world's leading suppliers of innovative cutting solutions for a wide range of industries. Each CNC Router is built to order and fully customizable for end-users to get an application specific machine for their business and investment.

Constructed from a single-piece welded steel frame, each system is built to last and provide years of reliable service. Known for their ease-of-use, MultiCam's CNC Routers offer next level manufacturing capabilities for both novice and experienced CNC operators.

Manufactured in our Dallas, Texas facility, each machine is extensively tested prior to leaving the factory to ensure longevity and uncompromising quality for the life of the cutting system.

MultiCam is supported by a global network of experts which encompass 60 Technology Centers around the world as well as Sales and Service Representatives in over 100 countries. Lifetime training, service, and support are always within reach.



APEX 1R

MultiCam's all-new APEX1R CNC Router offers the same superior accuracy, cutting, and motion you can expect from a MultiCam system. MultiCam's APEX1R CNC Router is the most affordable servo driven router with spindle and knife cutting capabilities to date.

Specifications	Inches	Metric
Max Material Thickness	2"	50.8mm
Repeatability	+/-0.001"	+/-0.025mm
Cutting Speed	1350 IPM	571.5 mm/sec
Rapid Traverse	1900 IPM	804.3 mm/sec
Drive System (X,Y)	Helical	Helical
Drive System (Z)	Ball Screw	Ball Screw
Standard Work Surface	1" Phenolic	25.4mm Phenolic

Specifications subject to change without notice.

Model	Inches	Metric
103	48" x 96"	1219mm x 2438mm
204	60" x 120"	1524mm x 3048mm
304	83" x 121"	2108mm x 3073mm

Table available with manual or pneumatic vacuum zones.

OPTIONS:

- Laser Pointer
- Auto-Mister
- MultiVision Digital Registration System
- KUFO Dust Collection System





STEEL CONSTRUCTED TABLE WITH HELICAL RACK

Engineered for high precision, every welded steel frame is milled for both helical rack and rail allowing for smooth, uniform motion even in high torque applications.



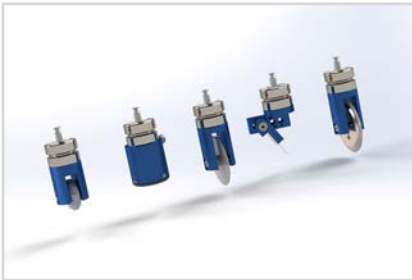
SERVO MOTOR GEARBOX DRIVE SYSTEM ASSEMBLY

Accurate positioning of all axes offers low-backlash, high precision cutting even during high torque applications.



MULTIPLE SPINDLE OPTIONS

When it comes to capacity, edge-quality, and speed, a multitude of cutting options allow for automatic or manual tool changes along with pristine edge quality from materials like wood, aluminum, plastics, composites, and more.



KNIFE ACCESSORIES

A wide array of user-friendly oscillation and drag knife tooling options allow the machine operator to perform thin, thick, straight, or angled cuts with ease.



USER-FRIENDLY OPERATOR INTERFACE

The EZ Control interface allows operators to setup, configure, and operate the CNC machine to streamline the manufacturing process. Features which include, pausing the cut file for inspection, proximity restart, and memorizing multiple home start positions are included.

APEX 3R

MultiCam’s APEX3R CNC Router sets the standard for routing capabilities as it is the perfect balance of performance and precision. With cut speeds up to 1,400 inches per minute (IPM), the APEX3R offers world class motion, speed, and cut quality.

Specifications	Inches	Metric
*Max Material Thickness	5"	127mm
Gantry Height	6", 8"	152.4mm, 203.2mm
Repeatability	+/-0.001"	+/-0.025mm
Cutting Speed	1400 IPM	592.6 mm/sec
Rapid Traverse	2500 IPM	1058.3 mm/sec
Drive System (X,Y)	Helical	Helical
Drive System (Z)	Ball Screw	Ball Screw
Standard Work Surface	1" Phenolic	25.4mm Phenolic

Specifications subject to change without notice.
*Stock machine comes with standard 6" gantry clearance.

Model	Inches	Metric
103	53" x 100"	1346mm x 2540mm
204	63" x 121"	1600mm x 3073mm
304	83" x 121"	2108mm x 3073mm

Table available with manual or pneumatic vacuum zones.

OPTIONS:

- Motor Driven Dust Boot
- Pop-Up Pins
- MultiVision Digital Registration System
- KUFO Dust Collection System
- Automatic Hands Free Surface & Calibration Sensor
- Laser Pointer
- Auto-Mister





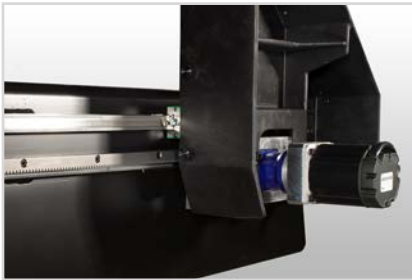
ALL-STEEL CONSTRUCTION

Manufactured with 3/8" wall tube steel, the APEX3R CNC Router frame is a robust cutting platform, which provides a standard 6" gantry clearance capable of cutting 5" thick substrates with minimal vibration and tight control during the cutting process.



HIGH RPM SPINDLE OPTIONS

Increase cutting capacity and quickness for either single pass cuts or multiple pass cuts with an exceptionally smooth edge quality on a wide range of materials and applications.



PRECISE CUT QUALITY

A high-precision gearbox and tightly tuned servo motor system on 25mm linear rails with helical rack provides very low backlash for pristine cut quality.



PRODUCTIVITY OPTIONS

Motor Driven Dust Boot - Automatically adjusts boot height to the surface to accommodate different length tools providing maximum particulate pick-up.



Pop-Up Pins - Quickly and easily align sheets of material on the table.



NEW Automatic Hands Free Surface & Calibration Sensor - Machine operators can accurately and semi-automatically set material surface and calibrate tools while keeping their hands free from the cutting head.

5000 SERIES

MultiCam’s 5000 Series CNC Router is constructed from a robust single-piece-welded steel frame, with spindle options up to 20 HP. This rigid cutting system offers dimensional accuracy, excellent edge quality, and optimum cut speeds of up to 1,800 inches per minute (IPM).

Specifications	Inches	Metric
*Max Material Thickness	7"	177.8mm
Gantry Height	8",12",16"	203.2mm, 304.8mm, 406.4mm
Repeatability	+/-0.001"	+/-0.025mm
Cutting Speed	1800 IPM	762 mm/sec
Rapid Traverse	2700 IPM	1143 mm/sec
Drive System (X,Y)	Helical	Helical
Drive System (Z)	Ball Screw	Ball Screw
Standard Work Surface	1" Phenolic	25.4mm Phenolic

Specifications subject to change without notice.
*Stock machine comes with standard 8" gantry clearance.

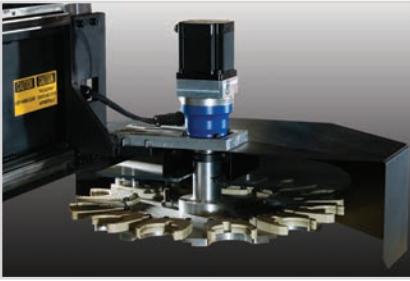
*Model	Inches	Metric
103	50" x 100"	1270mm x 2540mm
204	60" x 122"	1524mm x 3099mm
304	84" x 122"	2134mm x 3099mm

*other sizes available
Table available with manual or pneumatic vacuum zones.

OPTIONS:

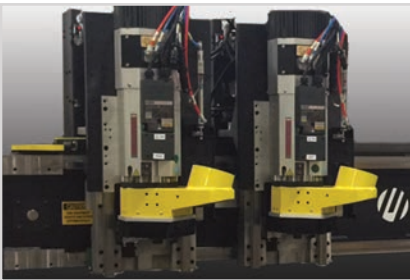
- Drill Bank
- Motorized C-Axis for Aggregate Tooling
- 20:1 Precision Gearbox — For High-Quality Finish
- AireWorks Dust Collection System
- T-Slot Table Top
- Drill/Tap Spindles





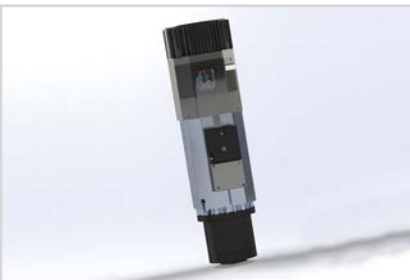
SINGLE HEAD WITH ROTARY TOOL CHANGER

The 12-position Rotary Carousel mounted on the gantry provides quick tool changes to complete your cut file in the fastest time possible.



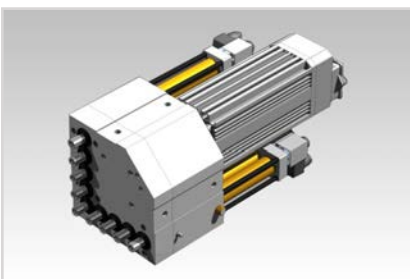
MULTI-HEAD CONFIGURATION

Quickly and effectively cut multiple parts with a multi Y-Axis setup, which is capable of cutting files with either one head, heads in tandem, or mirrored heads during a single cutting motion.



HIGH-SPEED & HIGH HORSEPOWER SPINDLE

Accommodate larger diameter tooling to cut dense materials that demand higher torque capacity. Available with Drill/Tap capability.



PRODUCTIVITY OPTIONS

Drill Bank 5x5 - Drill multiple holes simultaneously in a single Z stroke with the 5x5-gang drill option which accurately and effectively speeds up the vertical drilling production process.



Motorized C-Axis Aggregate - Motorized 360° C-Axis Aggregate tooling options allow the operator to orient the cutting tool to route, bore, mortise, and/or saw the side of the material.

7000 SERIES

MultiCam's 7000 Series Router is engineered to offer years of accurate and dependable service. With some of the fastest cutting speeds on the market, the 7000 Series CNC Router offers end-users unmatched capability and speed to boost production and throughput for heavy-duty applications.

Specifications	Inches	Metric
*Max Material Thickness	7"	177.8mm
Gantry Height	8",12",16"	203.2mm, 304.8mm, 406.4mm
Repeatability	+/-0.001"	+/-0.025mm
Cutting Speed	2200 IPM	931.3 mm/sec
Rapid Traverse	2900 IPM	1227.6 mm/sec
Drive System (X,Y)	Helical	Helical
Drive System (Z)	Ball Screw	Ball Screw
Standard Work Surface	1" Phenolic	25.4mm Phenolic

Specifications subject to change without notice.

*Stock machine comes with standard 8" gantry clearance.

*Model	Inches	Metric
103	50" x 100"	1270mm x 2540mm
204	60" x 122"	1524mm x 3099mm
304	84" x 122"	2134mm x 3099mm

*other sizes available

Table available with manual or pneumatic vacuum zones.

OPTIONS:

- Ram-Z
- T-Slot Table
- 12-Position Rotary Carousel
- Multi-Head Configurations
- Gantry Risers





RAM-Z

For applications requiring extra height clearance and/or larger tooling, the Ram-Z option provides 24", 36", or 48" of extended clearance of the cutting head to accommodate thicker material or application specific cutting.



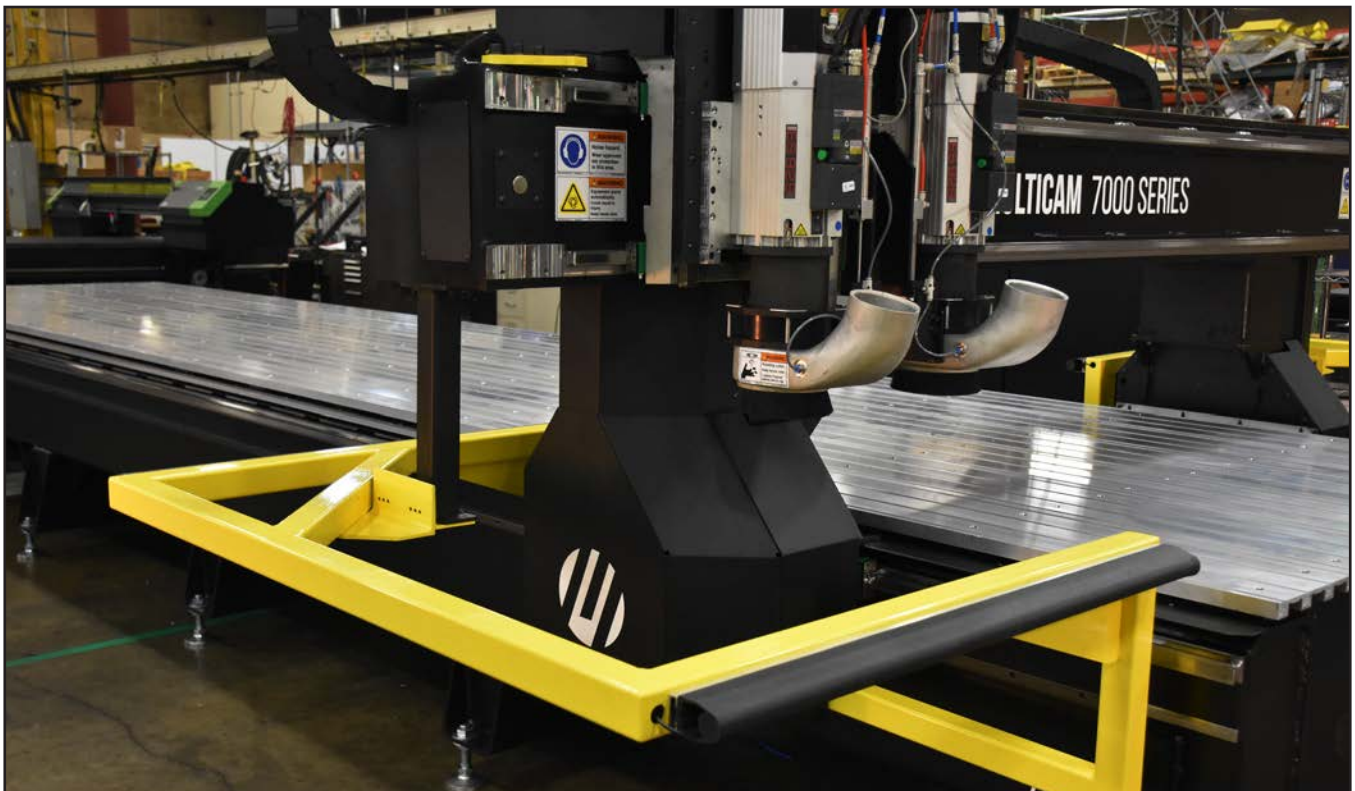
ROBUST GANTRY & FRAME

Dual linear Y-Axis rails (an industry first for machines in this class) along with strongly gusseted all steel risers provide the rigidity and strength to counteract vibration from extended gantry heights.



SAFETY BUMPERS

As an added safety precaution, the X-axis safety bumpers immediately halt machine motion if encountered. The machine operation can quickly and easily be resumed once the work area is safe and free of obstructions.



WHAT IS THE BEST VAC

High Pressure Pumps provide maximum atmospheric hold down especially good for thin or warped non-porous sheet materials but require low airflow to maintain strong hold. Best operations for tables up to 60 square feet.



25 & 40 HP

DEKKER PUMP

- Best high pressure vacuum curve performance
- Excellent for high particulate environments (oil filtering)
- Lowest dB
- Less than 9Hg useable holding power



Price



Hg



Flow



Noise



10, 15, & 24 HP

BECKER PUMP

- Minimal maintenance
- Moderately low dB
- Most useable holding power
- Least high pressure vacuum curve performance



Price



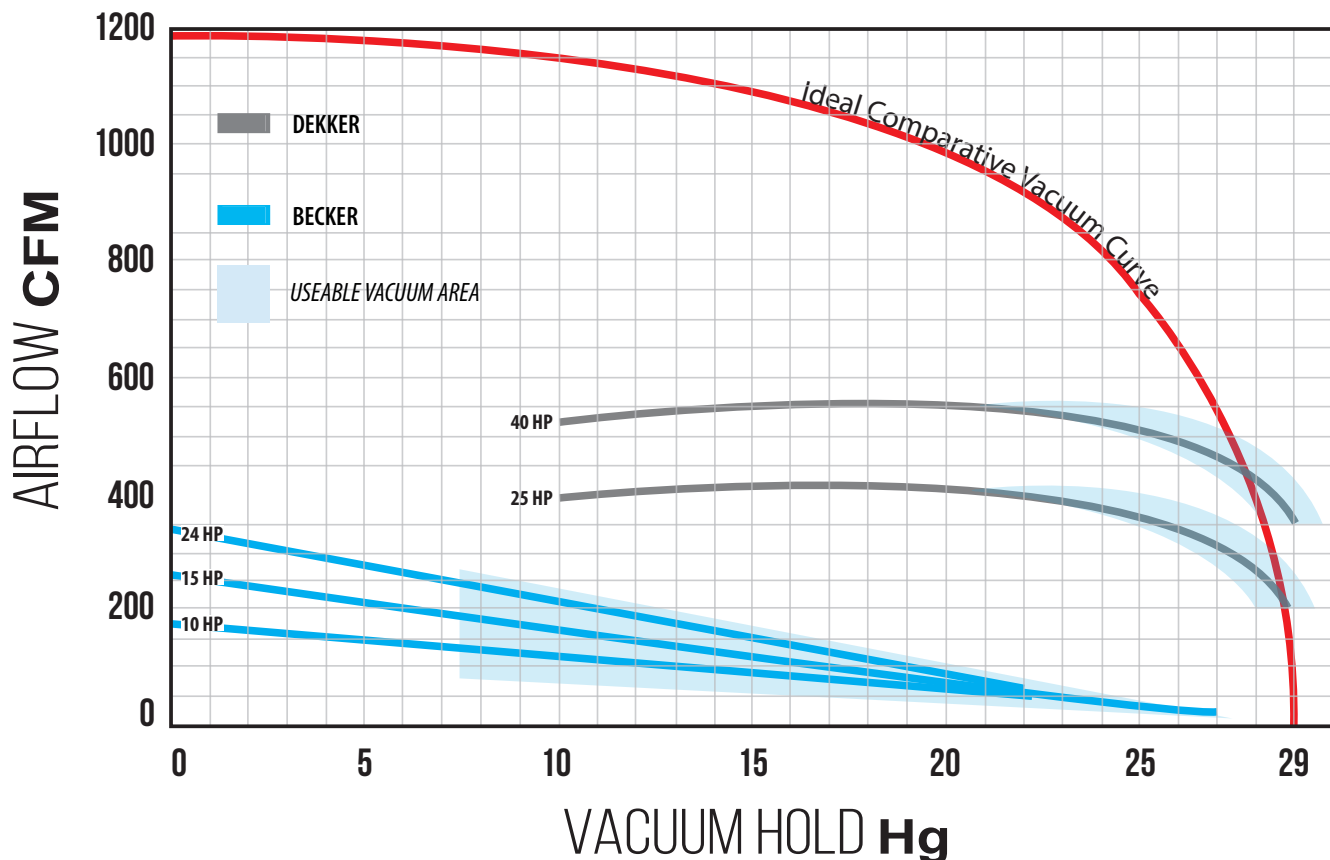
Hg



Flow



Noise



VACUUM OPTION FOR YOU?

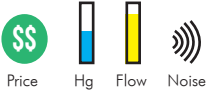
Medium Pressure Pumps provide adequate hold with high airflow especially good for larger tables and rigid sheet materials but lacks full atmospheric hold.



10, 20, & 30 HP

POSITIVE DISPLACEMENT PUMP

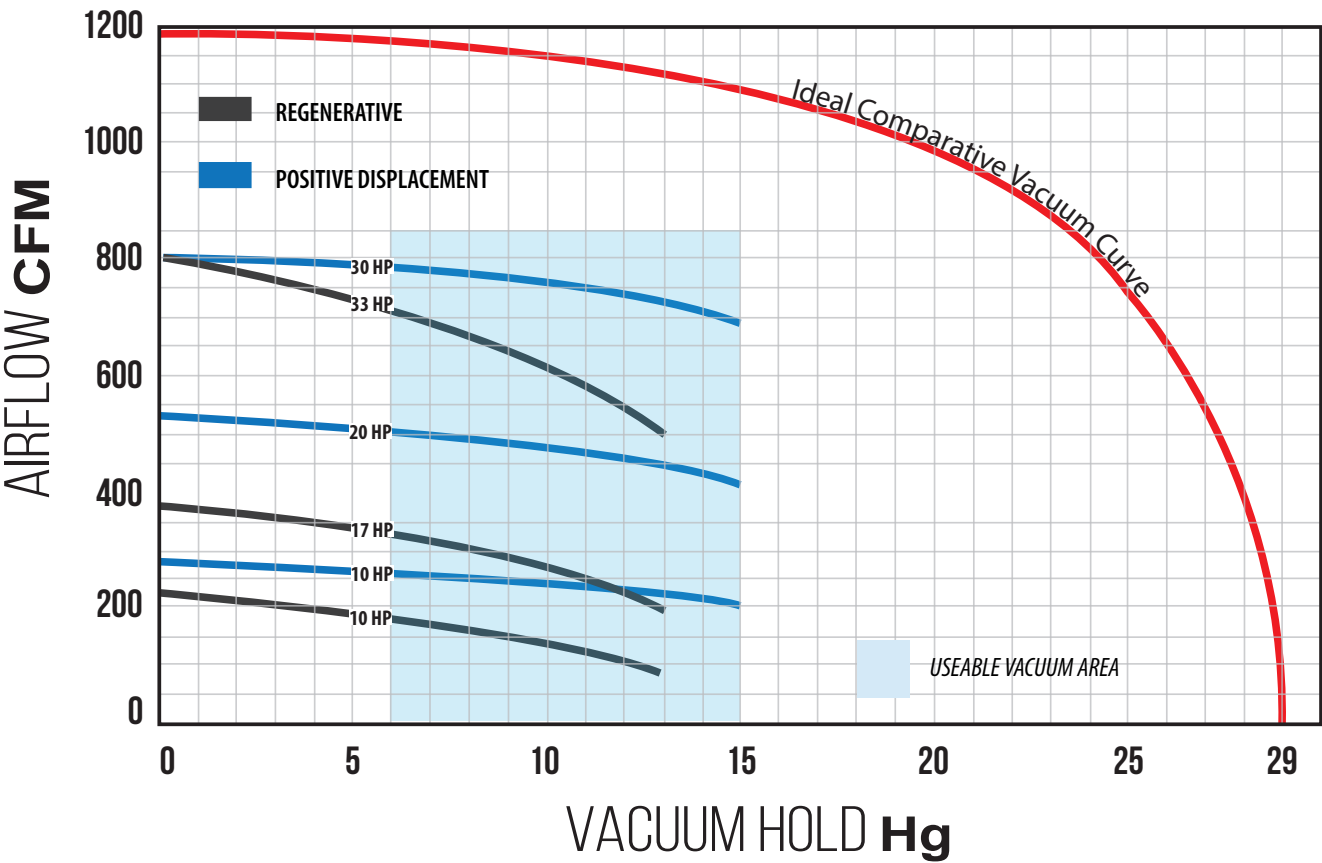
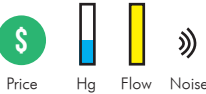
- Best medium pressure vacuum curve performance
- Excellent flow, 60-80 square foot tables holding medium to large parts
- High dB with growl noise



10, 17, & 33 HP

REGENERATIVE PUMP

- Lowest investment
- Excellent flow 60-80 square foot tables holding large parts
- Least useable vacuum hold



SERVICE & SUPPORT



SUPPORT

- New Operator Training Available at Any Technology Center for the Life of the System



PARTS & SERVICE

- Premium On-site Preventive and Scheduled Maintenance



CONSUMABLE PLANS

- Router Bits
- Knife Blades
- Tool Holders

855.894.3136

CSERVICE@MULTICAM.COM

MultiCam is proud to have our machines operating in thousands of manufacturing facilities worldwide. We understand your expectations for dependability, timeliness, and expertise. Our team of highly skilled and experienced Field Support Technicians are here to ensure your investment is running at maximum efficiency and in optimal condition. With over 60 locations worldwide, we are always just a phone call away.

SOFTWARE



Coreo is a robust operating platform that eloquently takes the user from art design all the way to finished job execution on MultiCam's line of machine tools. Coreo is equipped with advanced features to minimize avoidable errors and speed up productivity.



CONNECT

Coreo's simple interface enables you to automatically locate and communicate with the MultiCam machines on your production floor. This establishes the connection to the programs stored on your company server or computer. The selected cut file is then transferred across the network to the MultiCam system for cutting.



DESIGN-E

Create jobs faster by designing your parts or make edits and repairs to existing files in a vector environment that focuses on the specific features of your MultiCam system. Start from scratch or import and export from the most common vector file formats.



BUILD

Build applies parameters and tool paths to print files, converting them to machine-ready cut files. Manage multiple jobs, tools, and processes. Use standard software parameters and industry terms to preview, execute, and control projects. Contextual display prevents info overflow.



COMMAND

Command opens print files for execution on MultiCam systems, in doing so; it provides support for job queue, bar-code smart shape library, job history, time estimation, simulation, and unlimited material and process support. Users can conveniently adopt, execute, and adjust parameters established up stream.



REPORT

Make informed assessments of machine performance thanks to reports summarizing job and machine status, per job, or over multiple machines and multiple shifts.



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