

cevero SERIES

DIGITAL CUTTING
SYSTEMS

3U MULTICAM
1989-2019

cevero





evero



celero

SERIES

Engineered to complement today's fast-paced printing industry, MultiCam's Celero Series is the next generation of Digital Cutting Systems offering one of the fastest knife cutting speeds in the industry.

These advanced Flatbed Cutting Systems provide end-users unparalleled cutting capabilities for both rigid and flexible substrates as well as roll media. With a reputation for accurate and smooth motion, the Celero Series is an easy-to-use, programmable, cutter/router solution for both small and large businesses alike. With an extensive list of standard features and available customizable options, each system is built to ensure your business gets the right cutter for your application and investment.

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.



3 SERIES

MultiCam's Celero 3 Series is an economical turnkey cutter/router solution for the small-to-mid size Print Service Provider. This system is suited to provide versatility as it can cut a multitude of materials with a high-degree of precision. Its modular tooling includes Universal and Oscillating Knives as well as a 3 HP Router Spindle.

Specifications	Inches	Metric
Max Material Thickness	2"	50.8mm
Z-Axis Travel	6.5"	165mm
Repeatability	+/-0.001"	+/-0.025mm
Cutting Speed	1700 IPM	719.6 mm/sec
Rapid Traverse	2757 IPM	1167.1 mm/sec
Max Acceleration	30 in./sec ²	762 mm/sec ²
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
3153	60" x 120"	1524mm x 3048mm

OPTIONS:

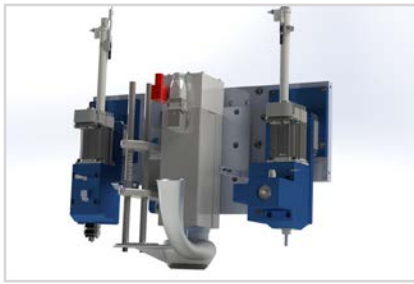
- Roll-to-Roll Systems
- 15 HP High-Flow Vacuum
- KUFO Dust Collection System





STEEL CONSTRUCTED TABLE

The Celero 3 Series is built with a durable, all-steel tube frame, which significantly reduces vibration and gives the operator tight control for precise knife cutting and routing.



HIGH RPM'S FOR INCREASED CAPABILITIES

Equipped with a high-frequency 3 HP spindle, the Celero 3 Series is designed to provide an accurate and smooth motion when cutting either thin or dense substrates. Along with a robust Servo Drive Motor system, the Celero 3 Series offers maximum flexibility for various cutting applications.



DIGITAL REGISTRATION SYSTEM

The MultiVision system provides end-users additional flexibility as the camera system is able to visually recognize media registration marks and automatically compensate for skew and/or image drift. This system is also equipped with edge detection, which aids in getting the most out of the material to be cut.



COMPUTER WORKSTATION

The Celero 3 Series comes equipped with an ergonomically designed, standalone computer workstation for easy access to the machine's controls.



PRECISION

The Celero 3 Series features a 3 HP/24,000 RPM spindle which allows for a wide range of routing applications. Whatever the substrate you are routing whether it be acrylic, dibond, or other dense substrates, you will experience a repeatability of .001" part after part.

5 SERIES

MultiCam's Celero 5 Series combines both powerful routing and high-speed knife cutting capabilities in a Digital Cutting system. With knife cutting speeds up to 4,400 Inches per Minute (IPM) and the MultiVision Digital Registration System, the Celero 5 Series of cutters/routers provides end-users unprecedented performance and the high-quality cutting capabilities demanded into today's fast-paced industry.

Specifications	Inches	Metric
Max Material Thickness	2"	50.8mm
Z-Axis Travel	5"	127mm
Repeatability	+/-0.001"	+/-0.025mm
Cutting Speed	4400 IPM	1862.6 mm/sec
Rapid Traverse	7000 IPM	2963.3 mm/sec
Max Acceleration	130 in./sec ²	3302 mm/sec ²
Drive System (X,Y)	Helical	Helical
Drive System (Z)	Ball Screw	Ball Screw
Standard Work Surface	1.25" Phenolic	31.75mm Phenolic

Specifications subject to change without notice.

Model	Inches	Metric
5153	64" x 120"	1626mm x 3048mm
5153c Conveyor	64" x 120"	1626mm x 3048mm

OPTIONS:

- Roll-to-Roll Systems
- 4 HP Router Spindle
- MultiVision Digital Registration System
- CFM Dust Collection System





CONVEYOR SYSTEM

Designed for easy loading and unloading of materials, the Celero Conveyor System Belt provides operators a fast advance control of material and serves as a vacuum cutting surface ideal for flexible media, rigid substrates, and roll media up to 64".



AUTOMATIC KNIFE CHANGER (AKC)

MultiCam's Automatic Knife Changer (AKC) allows for up to six (6) automatic knife changes in a single cut program. By fully automating the knife cutting process, operator error is greatly reduced, which in turn increases productivity and throughput.

Note: Not available with conveyor.



CUTTING SPEED

With industry leading cutting speeds up to 4,400 Inches per Minute (IPM) and a rapid traverse speed of 7,000 IPM, the Celero 5 Series delivers high-speed performance for maximum throughput. Along with its tight motion control, each cut results in an accurate and smooth cut quality.



50,000 RPM SPINDLE

The Celero 5 Series is designed for routing rigid materials at high-speeds as it comes standard with a liquid cooled 4 HP/50,000 RPM spindle. Each spindle is capable of utilizing cutting tools with shanks up to 3/8" (10mm) in diameter.



DIGITAL SERVO DRIVE SYSTEM

Digital Servo Drives and Brushless AC Servo Motors are integrated into the Celero 5 Series providing both velocity and torque with uncompromised accuracy for cutting applications. With a smooth motion and fast rapid traverse, end-users yield superior routing and knife cutting for a wide range of applications.

7 SERIES

MultiCam's Celero 7 Series Digital Cutting System is designed to provide end-users unparalleled router and knife cutting capabilities. With one of the industry's fastest knife cutting speeds, as well as the industry's most precise digital registration, this programmable flatbed cutting system maximizes throughput and production capabilities while seamlessly incorporating into existing workflows. Whether your business is cutting Foamcore, Coroplast, Styrene, Acrylic, Metals, or other substrates, the Celero 7 Series will provide years of quality cutting and reliable performance.

Based on 7153c model:

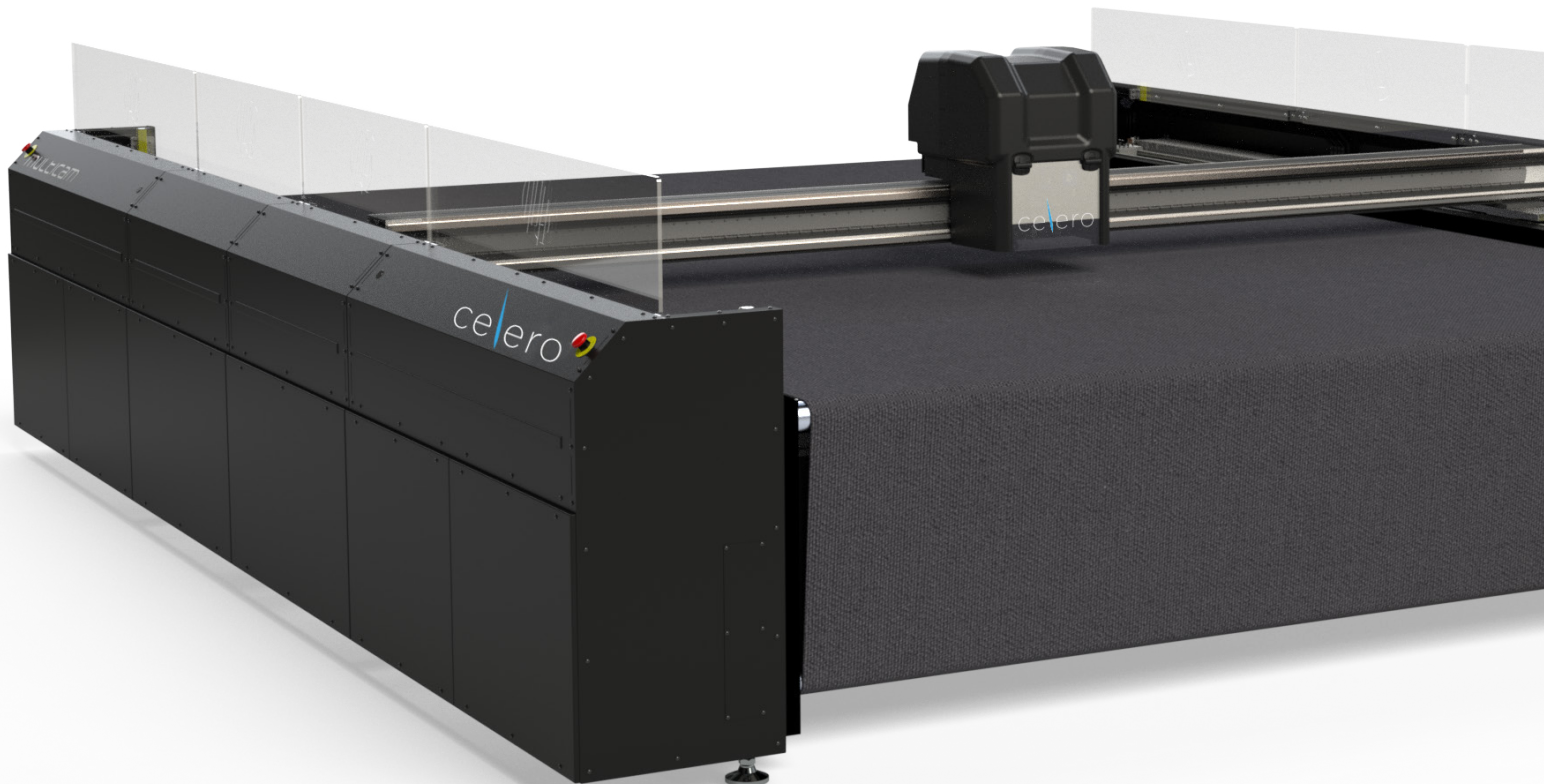
Specifications	Inches	Metric
Max Material Thickness	2"	50.8mm
Z-Axis Travel	6.5"	165mm
Repeatability	+/-0.001"	+/-0.025mm
Cutting Speed	7800 IPM	3302 mm/sec
Rapid Traverse	11030 IPM	4669.3 mm/sec
Max Acceleration	450 in./sec ²	11430 mm/sec ²
Drive System (X,Y)	Linear Servo	Linear Servo
Drive System (Z)	Ball Screw	Ball Screw
Standard Work Surface	1.25" Phenolic	31.75mm Phenolic

Specifications subject to change without notice.

Model	Inches	Metric
7153	60" x 120"	1524mm x 3048mm
7153c Conveyor	60" x 120"	1524mm x 3048mm
7322	127" x 78.74"	3226mm x 2000mm
7322c Conveyor	127" x 78.74"	3226mm x 2000mm
7324	126" x 157"	3200mm x 3988mm
7324c Conveyor	126" x 157"	3200mm x 3988mm

OPTIONS:

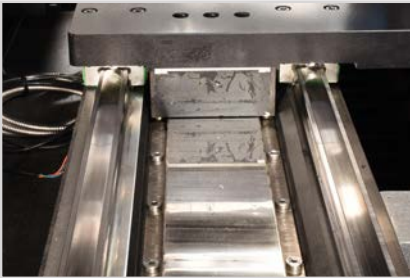
- Roll-to-Roll Systems
- Automatic Tool Change System - Up to 32 (16 Knives & 16 Router Bits)
- 20 HP Vacuum





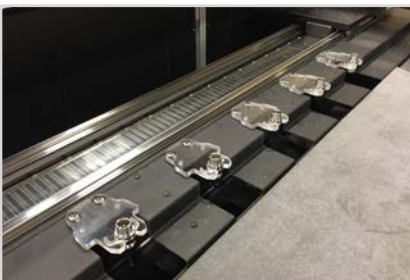
MULTI-BOARD WORKFLOW

The Celero 7 Series is offered in a variety of table sizes up to 10' x 13', which allow end-users to cut three (3) 4' x 8' sheets of material simultaneously.



LINEAR MOTION ACCELERATION

With integrated Linear Motors, the Celero 7 Series is capable of reaching an acceleration of up to 1.2 G's which translates to the industry's fastest knife cutting speeds of 7,800 Inches per Minute (IPM).



AUTOMATIC TOOL CHANGE SYSTEM

The Celero 7 Series Automatic Tool Change System can be configured to hold up to 32 tools; sixteen (16) router bits and sixteen (16) knives. Designed to automatically change between knife and router cutting tools in a single job file along with auto hands-free surface probe and tool calibration sensor, this system is intended to greatly reduce the possibility of operator-error and material waste.



50,000 RPM SPINDLE

The Celero 7 Series is designed for routing rigid materials at high-speeds as it comes standard with a liquid cooled 4 HP/50,000 RPM pneumatic chuck spindle.

SERVICE & SUPPORT



FREE LIFETIME 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

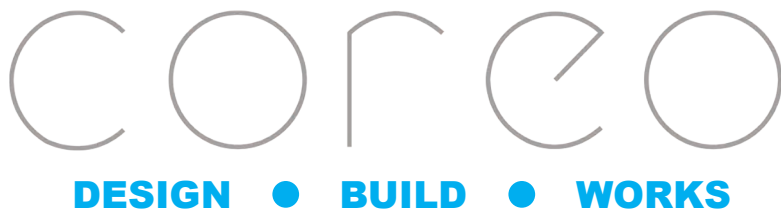
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MultiCam is proud to have our machines operating in thousands of manufacturing facilities worldwide. We understand your expectations for dependability, timeliness, and expertise. Our team of highly skilled and experienced Field Support Technicians 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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