



CELERO 4 SERIES FLATBED CUTTER

# UNMATCHED PRICE AND PERFORMANCE: THE ULTIMATE ALL-AROUND CUTTER

## High Speed Cutting Made Affordable

The Celero 4 Series is a revolutionary innovation that takes your production to the next level. With its powerful, versatile, and cost-effective features, this machine enables high-speed production with knife cutting speeds of up to 4,000 inches per minute (IPM). This multi-purpose cutter/router is specifically designed to meet the ever-growing needs of the signage, display, and packaging industries.

## Key Features

- ✓ **All-Steel Base Construction** for vibration control
- ✓ **3 Tool Carriage** for increased capabilities
- ✓ **10' Material Conveyor** for added flexibility
- ✓ **Pneumatic Spindle** for automated tool change
- ✓ **User-Friendly** operator interface



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## Base Frame

Crafted from robust U.S. steel, the frame of this machine is stress-relieved and precisely machined to significantly reduce vibration, allowing the operator to maintain tight control for knife cutting and routing at maximum speeds.

## Tool Carriage

Whether you need to knife cutting exclusively or a variety of applications that involve oscillating and routing as well, the Celero 4 Series has got you covered. With its configurable tool carriage, you can select the perfect combination of tools that meets the specific requirements of your application.

## Quiet Operation

The Celero 4 Series comes equipped with a 5.1HP vacuum blower and four pneumatically controlled vacuum zones as standard. This configuration ensures minimal noise levels, ranging between 60dB to 75dB.

## Spindle Options

The Celero 4 Series boasts a high-performing spindle that comes in two options: the 24K RPM 3HP Collet or the Automatic Tool Changing 50K RPM 4HP spindle which allows the machine to handle a wide variety of routing applications with ease. Whether you need to route dense substrates like acrylic or dibond, you can count on the Celero 4 Series to deliver quality cuts part after part.

	Specifications
Cutting Speed	4000 IPM 1693 mm/sec.
Rapid Traverse	5660 IPM 2396 mm/sec.
Max Acceleration	125 in./sec <sup>2</sup> 3175 mm/sec <sup>2</sup>
Repeatability	+/-0.001" +/-0.025mm
Max Material Thickness	2" 50.8mm
Drive System (X,Y)	Rack & Pinion
Drive System (Z)	Ball Screw

## Linear Tool Changer

The machine comes with standard five-position knife and five-position ATC spindle linear racks, enabling maximum automation while reducing costly errors that may result from manual operations.

## 10' Material Conveyor

Equipped with a versatile conveyor system, the Celero 4 Series can handle flexible media of up to 10 feet and oversized substrates of up to 10 feet by 6.6 feet. This makes it ideal for cutting single pieces or multiple runs for applications such as banners, labels, packaging, or textiles.

## Servo Motor & Gearbox Assembly

The Celero 4 Series comes standard with a high-precision gearbox and tightly tuned AC servo motor system on 25mm linear rails with helical rack, providing very low backlash for pristine cut quality with precise accuracy.

## Coreo Software

The Celero 4 Series comes with Coreo software as standard, ensuring seamless integration into your existing workflow.

## MultiVision

The machine features a dynamic digital registration system that enhances flexibility by visually recognizing media registration marks and automatically compensating for any skew or image drift.

	Options
Passive Roll to Basket System	Second Vacuum Pump
Cana-Vac Dust Collection System	Driven Rotary Tool for Textiles
Bar Code Scanner	EngView Packaging Software
EnRoute Routing Software	Multiple Knife Tool Options

	Models
4322	127" x 78.74" 3226mm x 2000mm