

Affordable Next Generation Cutting System



The Apex M Series takes our Apex line into the Next Generation. New Magnetic Drive Technology replaces traditional traverse systems using synchronous belts and rack & pinion. This allows for greater precision, speed and overall performance. The “Zero Contact” transmission system achieves optimized acceleration factors while reducing potentially costly mechanical wear & tear. Another key feature of the Apex M Series is the robust frame that is constructed from High-Quality Carbon structural Steel.

2000 mm/s
Maximum Traverse Speed

2g Linear Acceleration

Noise Level Under 65dB

Performance and Reliability

- ▶ Multiple Table Size Solutions to match application
- ▶ True 3 tool interchangeable positions available for many tool combinations
- ▶ Tool Head Modules controlled independently
- ▶ Optical Auto Tool height calibration
- ▶ Automatic Router Bit Tool Changing options available for APEX M Series models
- ▶ Variable Vacuum Zone table controlled by our software to adjust the vacuum power & positions for different material needs
- ▶ Auto sheet feeding system for increased production available
- ▶ Service and Support by our expert in-house engineers and specialists
- ▶ Parts & Supplies in stock at CUTWORX USA, Irving Texas

Graphics Markets

- ▶ Commercial print facilities
- ▶ DOT, City/Municipality Sign Shops
- ▶ Packaging/Prototype - opportunity to produce custom tests, and small runs
- ▶ Production Graphic Houses producing POP/POS display work, trade show graphics, etc.
- ▶ Sign PSP's Franchises
- ▶ Soft Signage & Textile production companies
- ▶ Solvent/UV printer owners

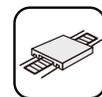
Specialty Markets

- ▶ Furniture/Upholstry industry
- ▶ Gasket manufacturing - produce smaller quantity runs and one off's that wont require steel die production
- ▶ Specialty textile - Fire resistant suit mfg example - cutting Kevlar materials that cannot be laser cut
- ▶ Technical textile & Acoustic Panel production for office/building environment applications

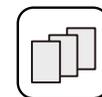
SPECIFICATIONS

| Model | APEX M - 2516 | APEX M - 3516 | APEX M - 3532 |
|------------------------|-------------------------|---------------|---------------------|
| Effective cutting area | 98in x 63in | 137in x 63in | 137in x 125in |
| Machine dimension | 133in x 90in | 173in x 90in | 173in x 153in |
| Vacuum Zones | 9 | 12 | 24 |
| Max traverse speed | 2000mm/s = 4680ipm | | |
| Max cutting thickness | 50mm/1.97in | | |
| Cutting precision | 0.05mm/.002in | | |
| File format | DXF /HPGL /AI /PDF | | |
| Material hold down | Vacuum | | |
| Pump power | 7.5 - 15KW | | |
| Electric power | 220V/60HZ | | |
| Operation environment | Temperature: 32°F-104°F | | Humidity: 20%-80%RH |

More models available. Ask for details.



Linear Motor Drive



Modular Framework Platform

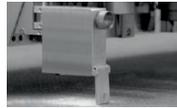


Optical Automatic Knife Initialization

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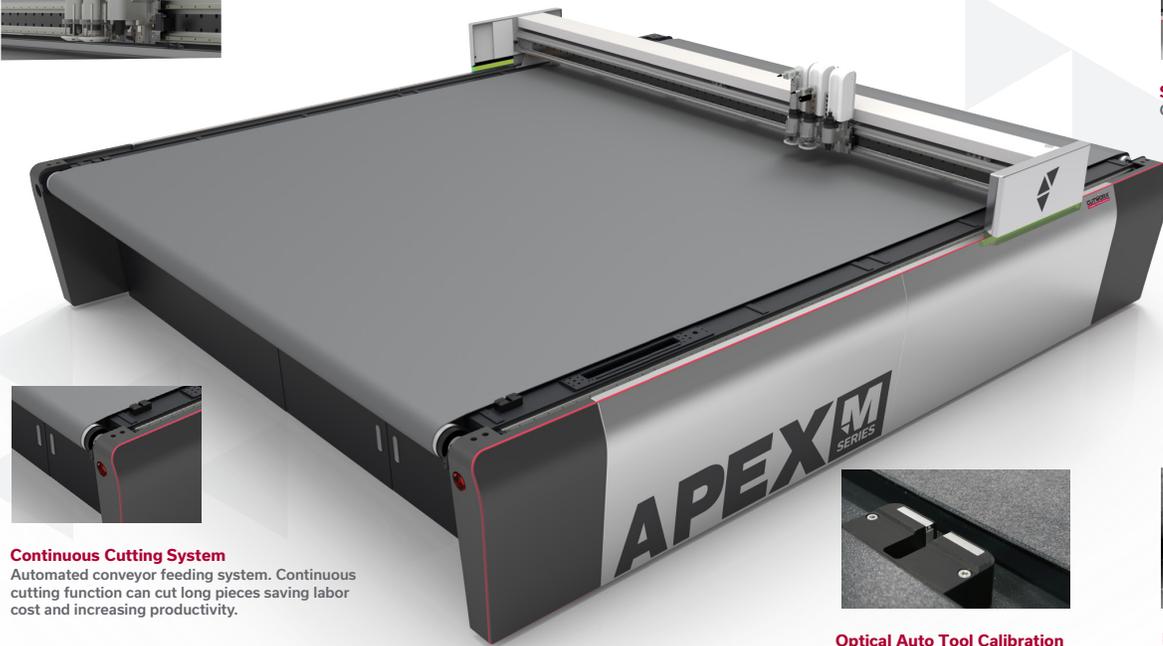
Efficient Cutting Heads
The max cutting speed is 2m/s (6 to 8 times faster than manual cutting) which considerably increases the production efficiency.



Precise Automatic Positioning System
The high precision CCD camera accounts for multiple types of printer distortion.



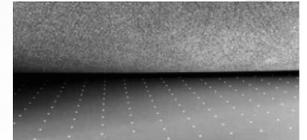
Safety Device
Optical safety devices.



Continuous Cutting System
Automated conveyor feeding system. Continuous cutting function can cut long pieces saving labor cost and increasing productivity.



Optical Auto Tool Calibration
Automatic knife initialization controls the cutting depth accuracy with an infrared sensor.



Precision Aluminum Table
Multiple vacuum zone system for accurate material hold down.

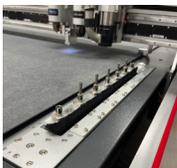


Complete Cutting Tools

APEX M Series cutting systems have a complete set of cutting tools for Acrylic, Corrugated board, Fabric/Textiles, Foam, KT Board, Paper, PVC, Vinyl and more. The cutting tools support through-cutting, half-cutting, V-cutting, engraving, creasing, scoring, marking, routing, etc.

Tool Changer

The APEX M Series features an integrated 7 position router tool changer station built into the frame.



The Router

1.8kw (2.4hp) featuring industry standard 6mm collet with pneumatic chuck. This module is compatible with automatic router bit tool changers.

Vacuum

15hp high efficiency vacuum pump to provide exceptional hold down strength of your flexible media and rigid substrates.



AFFORDABLE SOLUTIONS



IMPROVED PERFORMANCE



INCREASED PRODUCTIVITY



RELIABILITY YOU CAN DEPEND ON