



Sign & Display



Professional Drag Knife Cutting Plotter

The Advanced 160 is a professional, all-round drag knife cutting plotter for media widths from 18 to 164 cm with 10 pinch roller positions. The cutter was developed for established sign businesses and print providers. Applications encompass volume vinyl cutting, fully automated contour cutting and through cut of full colour signs and stickers.

Ideally suited for working in tandem with any Mutoh ValueJet sign & display printer, the Advanced 160 cutter incorporates a laser sensor which will recognise registration marks on preprinted graphics. This way, the cutter will know perfectly in which area it will have to do contour cutting or through cutting. The Advanced 160 also integrates barcode reading. With this unique technology, manual intervention for contour cut and through cut jobs can be fully eliminated, offering a truly foolproof print-to-cut workflow. Not only will this make you work faster, you will moreover eliminate the risk of sending wrong cutting data, wasting substrate(s), inks and resources.

Product Highlights

- Professional volume cutter for vinyl cutting, contour cutting and through cutting of preprinted full colour stickers and signs
- Ideally suited for working in tandem with any Mutoh ValueJet printer
- Finest cutting quality: high quality cutting blades
- Robust grit rollers – media tracking up to 8 meters
- Speed up to 1131 mm/s, acceleration up to 3 G & cutting force up to 400 grams
- Automatic registration mark detection and barcode reading

Application Possibilities

The Advanced 160 cutter will cover the widest range of applications required by professional sign makers: traditional vinyl cutting for lettering jobs and signs, contour cutting of preprinted stickers, textile marking films, cutting into laminated prints and cut through for the creation of individual stickers.



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Technical Key Specifications

Media Drive Mechanism	Dual Servo Motor
Cutting Principle	Drag Knife
Graphic Language	DM/PL, HP-GL (758x emulation), HP-GL/2

Media Specifications

Media Loading Widths (roll & sheet)	180 - 1640 mm
Max. Cutting Width	1575 mm
Max. Media Thickness	0.8 mm
Pinch Rollers	4

Performance

Max. Speed (axial)	800 mm/s
Max. Speed (diagonal)	1131 mm/s
Acceleration (axial)	Up to 2.0 G
Acceleration (diagonal)	Up to 3.0 G
Max. Cutting Force	400 g

Power Consumption

Power Supply	100-240 V AC
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Machine Measurements

Width x Depth x Height	1980 x 680 x 1145 mm
Weight	54 kg

Standard Accessories

Cutting plotter, stand and basket, media support system with 2 core holders, manual cut-off knife + spare blade, fuse, drag knife holder + 2 drag knives, Cutter Control software; WinPlot & MacSign cutting software, operation manual & quick start, power cord & USB cable.

Print-to-Cut Production Software

For print-to-cut applications, Mutoh offers you an **automated print-to-cut workflow**, controlled from **one single production software**. We offer Mutoh Edition software solutions developed with both Onyx Graphics and SAI. Delivered only together with combo purchase of ValueJet printer + cutter.

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