



Sign & Display



Heavy Duty Tangential Cutting Plotter

The Premium 160 cutter is a high end, heavy duty tangential cutting plotter offering superior performance on the widest range of sign making materials, from self-adhesive PVC to heavy sandblast, paint mask, reflective sheeting, structure laminates, special film, apparel paper, etc... The cutter can handle media widths from 17 up to 168 cm. The ideal choice for professional sign & display businesses and screenprinters.

Ideally suited for working in tandem with any Mutoh ValueJet sign & display printer, the Premium 160 incorporates a laser sensor which will recognize 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 cutter 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

- Heavy duty tangential cutting technology: fast, powerful & accurate
- For cutting, contour cutting or through cut applications
- Finest cutting quality: incorporated cutting intelligence and high quality cutting blades
- Top performer: speed up to 1410 mm/s, acceleration up to 5.5 G & cutting force up to 600 grams
- Superior long length tracking up to 12 meters
- Automatic registration mark detection and barcode reading

Application Possibilities

The Premium 160 cutting plotter will cover all application requirements for professional sign makers and screenprinters : traditional vinyl cutting, contour cutting of preprinted graphics, cutting into stiff and thick substrates, structured overlaminates, textile marking films, heavy sandblast, paint mask, reflective films and cut through for the creation of individual stickers.





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Technical Key Specifications

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

Media Specifications

Media Loading Widths (roll & sheet)	170 - 1680 mm
Max. Cutting Width	1580 mm
Max. Media Thickness	1.2 mm
Pinch Rollers	4

Performance

Max. Speed (axial)	1000 mm/s
Max. Speed (diagonal)	1410 mm/s
Acceleration (axial)	Up to 4 G
Acceleration (diagonal)	Up to 5.5 G
Max. Cutting Force	600 g

Standard Accessories

Cutting plotter, stand and basket, 2 core holders, automatic sheet-off system, standard knives (2), standard knife holder, standard nose piece, sandblast knife and nose piece, drag knife holder (incl. drag knife), ballpoint holder (incl. pen), pouncing pin and holder, 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.

Power Consumption

Power Supply

Machine Measurements

Width x Depth x Height
Weight

Distributed by

