

APC-130

Large format CAD cutting plotter for apparel

KHA LOI CO., LTD
Mimaki

2 in 1 Plot × CUT

Create Your Pattern

2 Tasks - 1 MACHINE

APC*function

Thick and thin substrates

Ease of use

*APC (=Alternate Plot & Cut) Function that enables drawing and cutting in one step. Pen and contour cutter are installed at the same head thus enabling seamless, streamlined operation by drawing the marks first before contour cutting. After drawing the pen is lifted automatically so that precise cuts are executed without interference.



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Direct cutting after plotting!

Produce stunning designs with highest accuracy and precise cuts

High productivity in one simple step

Pen and contour cutter are installed at the same head thus enabling seamless, streamlined operation by drawing the marks first before contour cutting. After drawing the pen is lifted automatically so that precise cuts are executed without interference.



Draw and cut on thick and thin substrates

APC-130 has a maximum cutting pressure of up to 500 g thus making it possible to cut thick paper patterns of up to 180 gsm whereby material tension is upheld. A two-step adjustable clamp pressure makes sure that various thicknesses can be processed in just this one machine.

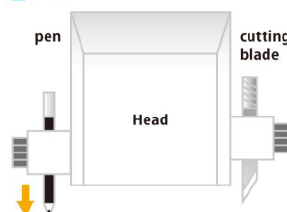


APC Function

APC (Alternate Plot & Cut Function) developed by Mimaki Engineering (patent pending)

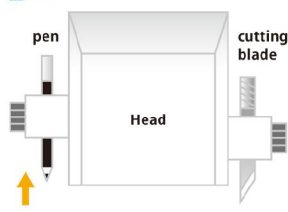
Automatic Plot and Cut change

Plot



The pen is lowered onto the pattern paper while the cutting blade is lifted.

Cut



The pen is lifted automatically while the cutting blade is lowered onto the pattern paper for cutting.

High accuracy of draw and cut lines

By installing the pen and cutter on the same head higher efficiency is achieved and accurate pressure of cutting blade and pen adopted resulting in longer lifetime of pen and cutting blade.

Head from above (graph)



Specifications

Item	APC-130
Maximum width	1,240 mm (48.8")
Media	Type: Pattern paper for apparel (64 - 180 gsm)
	Roll width: 890 mm - 1400 mm (35.0" - 55.1")
	Max. roll weight: less than 20 kg (44.1 lbs)
	Max. roll diameter: Less than ϕ 200 mm (7.9")
	Inside roll diameter: 3 inches
Attachment	Parallel installation of 1 cutter and 1 pen
Max. pressure	Cut: 500 g
	Plot: 150 g
Pressure settings	Cut: 10 - 20 g (in 2 g installments)
	20 - 100 g (in 5 g installments)
	100 - 500 g (in 10 g installments)
	Plot: 10 - 20 g (in 2 g installments)
	20 - 100 g (in 5 g installments)
	100 - 150 g (in 10 g installments)
Max. cutting speed	60 cm/sec.
Max. plotting speed	60 cm/sec.
Repeatability (range)	1,240 mm \times 3 m (48.8" \times 118.1")
Repeatability	± 0.2 mm/3 m (± 0.008 "/118.1") (Media expansion and contraction due to temperature excluded)
Interface	USB 2.0, RS-232C
Buffer capacity	30 MB
Operation environment	Temperature: 5 - 35 °C (41-95 °F), Humidity: 35 - 75 % Rh (No condensation)
Power	AC100 V - 240 V, less than 145 VA
Dimensions (WxDxH) / Weight	1,825 mm \times 1,000 mm \times 1,217 mm / 75 kg (71.9" \times 39.4" \times 47.9" / 165.3 lbs)

Intelligent functions developed with the user in mind

Perforation along dotted lines

Plotting and cutting only dotted lines enables perforations that can be easily separated by hand with Mimaki's half cut function.

Over cut

Mimaki's over cut function overlaps the start and end points of the substrates thus eliminating cut lines that are not completely cut.

Saving of cutting patterns

7 predefined cutting patterns for often used patterns can be saved and instantly re-loaded thus enabling fast turnaround and high efficiency.

Front loading

Avoid having to move around the machine for setting of heavy roll media. Front loading of substrates enables everyone to conveniently and easily load all kinds of media.

Paper basket

Paper rolls can be easily stored in the paper basket thus keeping produced patterns clean.

*Paper basket can be easily folded up when not in use



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- All trademarks or registered trademarks are the property of their respective owners.
- Specifications are subject to change without notice (for technical improvements, etc).
- Contents of this brochure are based on data available as of June 2011.

MIMAKI ENGINEERING CO., LTD.

2182-3 Shigeno-otsu, Tomi-city, Nagano 389-0512, Japan
Tel: +81-268-78-2288
trading@mimaki.jp www.mimaki.co.jp

KHA LOI CO., LTD

Address: 65 Street No. 25, Ward 12, Go Vap District, HCM city
Tel: +84 8 66 843 956 +84 8 62 895 195 Fax: +84 8 62 895 194
Email: kinhdoanh.khaloi@gmail.com
Website: www.maycatdecal-laser-cnc.com