

APC-130

Large format CAD cutting plotter for apparel

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

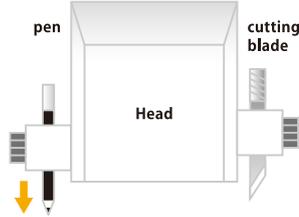
APC-130 has a maximum cutting pressure of up to 500 g thus making it possible to cut thick paper patterns of up to 180 gsm whereby material tension is upheld. A two-step adjustable clamp pressure makes sure that various thicknesses can be processed in just this one machine.



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

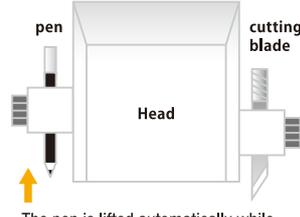
Automatic Plot and Cut change

Plot



The pen is lowered onto the pattern 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)



*Patent No. Japan:5717552 / USA:8887403 / China:102825918 / Germany:2533174

Specifications

Item	APC-130	
Max. output width	1,240mm (48.8")	
Available area for cutting	1,240mm x 51,000mm (48.8"x2,007.9")	
Settable sheet	Type of sheet	Roll paper (for apparel 64-180g/m)
	Sheet width	890-1,400mm (35.0-55.1")
	Roll weight	20kg (44.1lb) or less
	Roll dia.	Φ200mm (7.9") or less
	Core dia.	3"
Attachment	Parallel installation of 1 cutter and 1 pen	
Max.pressure	Cutter	500g
	Pen	150g
Pressure settings	Cutter	10-20g (2g step)
		20-100g (5g step)
		100-500g (10g step)
	Pen	10-20g (2g step)
20-100g (5g step)		
		100-150g (10g step)
Max.speed	60cm/s for cutting, 141cm/s (at plotting, pen moving upward 45 degree direction)	
Settable speed (cutting/plotting) ¹	Cutter	Max. 60cm/s
	Pen	Max. 60cm/s
		1-10cm/s (1cm/s step) 10-60cm/s (5cm/s step)
Repetition accuracy ²	±0.2mm/3,000mm (0.008"/118.1") (Excluding expansion/shrink of sheet due to temperature/humidity)	
Accuracy range (Repetition accuracy)	1,240mm/3,000mm (48.8"x118.1") (Depending on the specified sheet and the cutting condition)	
Command	MGL-IIc, MGL-Ic1	
Interface	RS232-C, USB1.1	
Reception buffer	30M-byte standard (When sorting is valid, 20M-byte)	
Operating environment	Temperature:5-35 degC Humidity:35-75% Rh (with no dew condensation)	
Power	AC100V-240V 1-0.6A 50/60Hz	
Outer dimensions / Weight	Width:1,825mm(71.9")	Depth:700-1,110mm(27.6-43.7")
	Height:1,217mm(47.9")	Weight:75kg (165.3lb)

¹: Limited depending on the sheet type.

²: Depends on the conditions specified by our company. Please refer to our operation manual for details.

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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Maximum Width
1,240mm (48.8")



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