



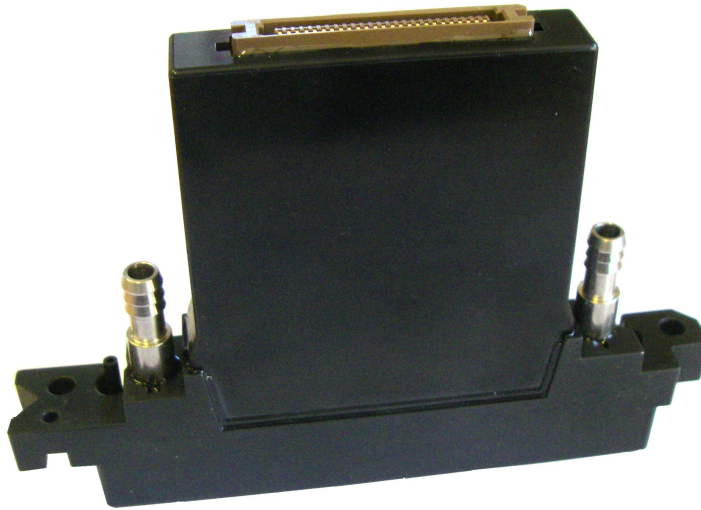
Industrial Inkjet Ltd

Making inkjet work

Konica Minolta 1024 Printhead Update

The KM1024 72mm printhead is the most recent addition to the range of inkjet heads offered by Konica Minolta. Using technologies proven in the highly reliable KM512 series of heads, the KM1024 will have wide appeal for print system builders.

The new KM1024 features 3 bit grey-scale which means that up to 7 different printed drop sizes are possible. The use of grey-scale increases the perceived quality of an image without actually increasing the resolution of the print.



The KM1024 requires a simple passive ink system - refer to the IJ Ink System brochure for details. This head does not require a complex re-circulating ink system.

Producing a seamless print width of 72mm makes the KM1024 perfect for use in narrow web applications where variable information or personalisation in single or four colour is required.

Availability:

Printheads

KM 1024 MH available now

KM 1024 MN available now

KM 1024 SH available now (exact specification to be confirmed)

KM 1024 LH available June 2008

ICB

ICB 1024 available now

Evaluation kit

AB200 to be confirmed



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The KM1024 is available with integral heater and thermistor for use with more viscous inks, including UV types, and also without the heater for use with oil or water based fluids.

The slim design of the head and native resolution of 360dpi make this the ideal printhead for use in high resolution or high speed print systems where multiple heads will be required. The design of the head, with in-line mountings and ink connections, allows them to be mounted very close together which results in an easy-to-integrate, very compact design. Mounting the heads this close together produces higher quality print more consistently as any angular errors in the media movement are minimised.

To enable machine builders to utilise the KM1024 quickly and efficiently, Konica Minolta has also launched the ICB 1024. This device can dramatically reduce the time and resource required to develop the datapath and electronics required to drive the KM1024.



Specifications:

Nozzles	-	1024
Native resolution	-	360 dpi
Drop size	-	M (14pL) (see over for availability)
	-	L (42pL) (see over for availability)
	-	S (exact specification to be confirmed, see over for availability)
Binary print	-	available on all nozzle sizes
Grey-scale	-	between 1 and 7 drops per pixel (3 bit data)
Heater	-	integral electrical heater and thermistor
Dimensions	-	131.2mm long x 17.6mm wide x 89.5mm high
Weight	-	<150gm

