KM1280iMHH
KM1280iLHH

High Nozzle Density Multi-row Print head Featuring 1,280 Nozzles at 450 npi. Ideal design for Industrial Printing.

High-density 1,280 Nozzles

Konica Minolta's unique precision processing technology has realized a high-density, multi-row arrangement of 1,280 nozzles. Resolution is 25% higher than our conventional printhead* enhancing print quality on a wide range of applications.

*KM1024i Series

Durability to a Wide Range of Inks

Wide durability tolerance to UV, solvent and oil based inks as well as inks for functional printing applications*.

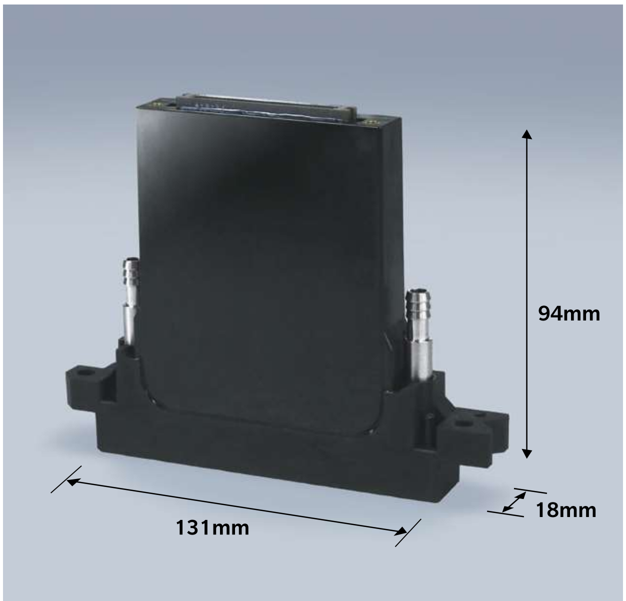
* Customer is ultimately responsible for confirming ink compatibility.

High Productivity for Industrial Printing Applications

The native drop volume of the KM1280iMHH is 10 pl, enabling both high-resolution printing and productivity.
This drop voume, in combination with maximum 45kHz jetting frequency enables high laydown.

Compact Print head Design

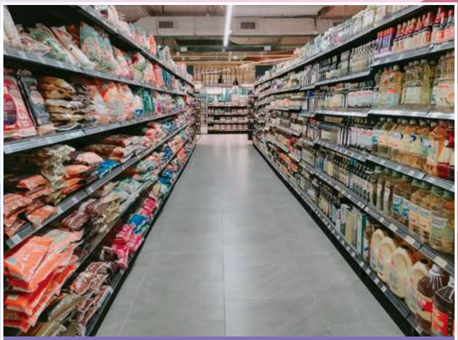
The compact and lightweight print head chassis enables compact printer design. Additionally, if KM1024i series is already in use, no mechanical design changes are required to upgrade.



Giving Shape to Ideas

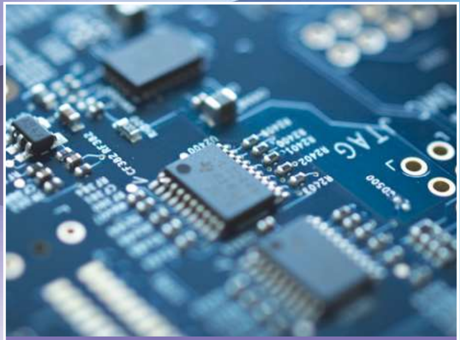
KM1280iMHH
KM1280iLHH

Application



Package&Label

Coding&Marking

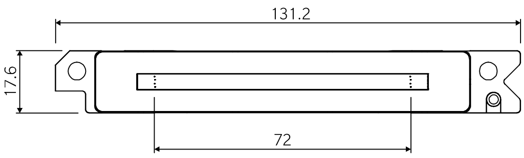


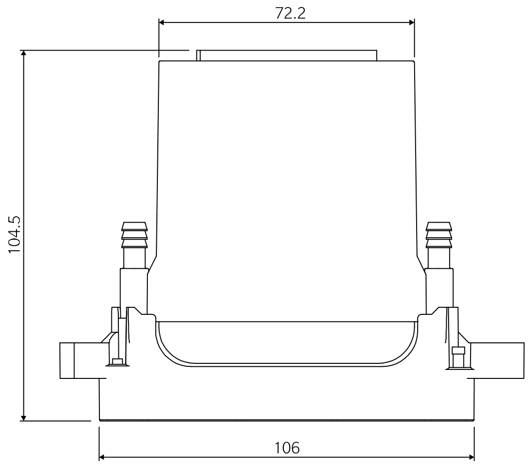
PCB (Print Circuit Board)

Specifications

Model Name	KM1280iMHH	KM1280iLHH
Drive Mode	Independent	
Number of Nozzles	1280	
Print width (mm)	72	
Resolution (npi)	450	
Dimensions (mm)	W 131mm × D 18mm × H 105mm	
Jetting Frequency (kHz)	45 (Maximum) , 40 (Typical)	31 (Typical)
Drop Volume (pL)	10	19
Jetting Temperature (℃)	RT-55℃	
Internal heater	Available	
Ink Type	Solvent, Oil, UV	
Ink Viscosity (mPa・s)	10-14	
Waveform	Digital	
Weight (g)	185 or less	
Gray Scale Level	16	

2D Design





*The above specifications are as of August 2025. Specifications and appearance are subject to change without prior notice.

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