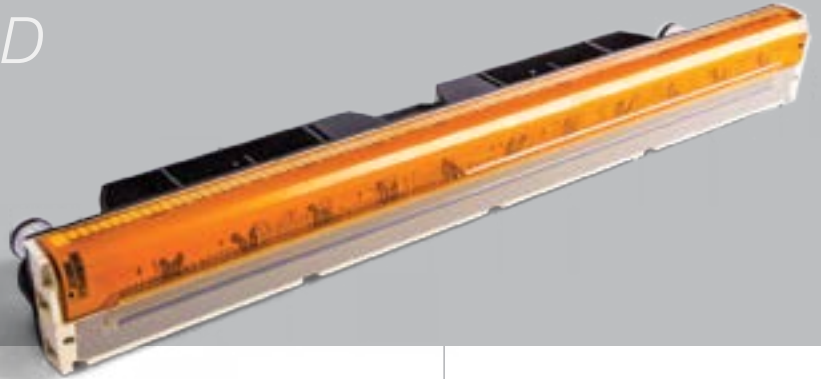


DATASHEET:

DURALINK PRINthead

The essential component of DuraLink: the 70,400-nozzle inkjet printhead



REMARKABLE RELIABILITY AND ROI

The new DuraLink printhead is a 1600 dpi, 222.8 mm (8.77 in) wide, mono-color printhead, with 70,400 nozzles and 5 times nozzle redundancy, designed together with durable by DuraLink aqueous pigment inks.

Excellent print quality is sustainable for 1 billion ejections per nozzle for each CMYK color. In the below image, magnified images of lines that are 1 dot wide, with rectangles 1/100 inch (16 dot pitches) wide, comparing a print at the start of life of a printhead (top) to a print after 1 billion ejections (bottom). Even after a billion ejections, the print quality is exceptional.

Print quality at start of printhead life	
Print quality after 1 billion ejections	

Designed for Quality and Durability

The new DuraLink printhead design replaces the suspended heater with a bonded heater, which has a durable coating. With pigment inks, the new design contributes to longer life, ejection stability, and excellent print quality.

[LEARN MORE](#)

Memjet-powered printers are sold only through authorized Memjet partners. For more information on OEM partners, or how to become an OEM partner, please visit memjet.com

PRINthead MAIN FEATURES

- Produces 2.2 pL drops up to the recommended maximum nozzle firing frequency of 15.5 kHz
- Improved bubble tolerance and priming robustness via “open” fluidic architecture
- New MEMS structure improves the consistency of the chamber depth and the droplet size
- Systematic chamber design (patented) improves drop trajectory consistency

DURALINK

BY MEMJET®



DURALINK PRINTHEAD

TECHNICAL SPECIFICATIONS:

Print Width:	222.8 mm (8.77 in), up to 2563.60 mm for 12 printheads
Printhead Type:	Single-color, user replaceable
Nozzle Redundancy:	5-times nozzle redundancy
Drop Size:	2.2 pL
Firing Frequency:	15.5kHz

Calculating Required Number of Printheads

Width of Printing (mm)	No. of PHs/Color	For Duplex	Example
222.80	1 per color	x 2	Example calculation for a DuraLink-based printer: -with a printing width of 1000 mm -4 colors -duplex printing 5 printheads wide x 4 colors x 2 for duplex = 40 printheads
435.60	2 per color	x 2	
648.40	3 per color	x 2	
861.20	4 per color	x 2	
1074.00	5 per color	x 2	
1286.80	6 per color	x 2	
1499.60	7 per color	x 2	
1712.40	8 per color	x 2	
1925.20	9 per color	x 2	
2138.00	10 per color	x 2	
2350.80	11 per color	x 2	
2563.60	12 per color	x 2	

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