

Formulating a Greener World®

HydraJET® 2022R

Aqueous ink for porous media

BULK INK SYSTEM



TECHNICAL DATA SHEET

HydraJET® 2022R red aqueous TIJ 2.5 ink is designed for industrial printing applications such as packaging, mailing and ticket printing.

HydraJET® 2022R ink provides long decap time, high optical density, good fade resistance, and excellent sharpness on various porous and semi-porous substrates such as plain paper, cardboard, duplex board, and semi-porous coated papers.⁽¹⁾

Technical Specifications

	HydraJET® 2022R Bulk Printhead	HydraJET® 2022R Bulk Ink Reservoir
Ink type	Red dye aqueous ink	Red dye aqueous ink
Print cartridge type	HP 45ci	
Resolution	Up to 600 dpi, recommended 300 x 300 dpi	
Nozzle count	300	
Print swath	12.7 mm	
Firing voltage	11.0 V	
Fire pulse width	1.8 µs	
Pulse warming	OFF	
Decap time⁽¹⁾	Up to 1 h	
Drying time⁽¹⁾	1 - 3 s at 300 x 300 dpi	
Throw distance⁽²⁾	Up to 3 mm, recommended 1 mm	
Ink fill volume	42 mL	400 mL
Average bulk delivered ink	420 mL (vertical)	
Average drop volume	27 pL	
Operating conditions	15 °C to 35 °C, 35% to 80% RH	15 °C to 35 °C, 35% to 80% RH
Shipping / storage temperature	10 °C to 35 °C	10 °C to 35 °C
Best before⁽³⁾	12 months from filling date	12 months from filling date

Cartridge Shipping & Storage

- Store the cartridge with a clip placed over the printhead. Nozzles up or horizontal.
- Refer to Safety Data Sheet for more information.

Cartridge Maintenance & Handling

- Use a lint-free cloth moistened with deionized water to clean the cartridge printhead.
- Holding the cartridge printhead face down, gently press the printhead on a lint-free cloth to allow ink to wick out. Then, slowly and lightly wipe across the tip of the long edge.
- Do not shake the cartridge.

Ordering Information

Product number	Product description
2022R44S	HydraJET® 2022R Bulk Ink System

(1) Ink performance may vary depending on substrate, printer, and environmental conditions.

(2) Recommended. May vary by application.

(3) Must be shipped and stored under recommended conditions.

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