

**Formulating a Greener World®**

# HydraJET® 2020K

Aqueous ink for porous media

## BULK INK SYSTEM



# TECHNICAL DATA SHEET

HydraJET® 2020K black aqueous TIJ 2.5 ink is designed for track and trace coding and marking at high-productivity industrial printing applications such as packaging, label, mailing and ticket printing.

HydraJET® 2020K ink provides enhanced fade resistance and water resistance, long decap time, excellent darkness, sharpness, and barcode readability on various porous and semi-porous substrates such as plain paper, cardboard, duplex board, and semi-porous coated paper.<sup>(1)</sup>

## Technical Specifications

|                                       | HydraJET® 2020K Bulk Printhead              | HydraJET® 2020K Bulk Ink Reservoir |
|---------------------------------------|---|------------------------------------|
| <b>Ink type</b>                       | Black dye aqueous ink                       | Black dye aqueous ink              |
| <b>Print cartridge type</b>           | HP 45ci                                     |                                    |
| <b>Resolution</b>                     | Up to 600 dpi, recommended<br>300 x 300 dpi |                                    |
| <b>Nozzle count</b>                   | 300   |                                    |
| <b>Print swath</b>                    | 12.7 mm                                     |                                    |
| <b>Firing voltage</b>                 | 11.0 V                                      |                                    |
| <b>Fire pulse width</b>               | 1.8 µs                                      |                                    |
| <b>Pulse warming</b>                  | OFF   |                                    |
| <b>Decap time<sup>(1)</sup></b>       | Up to 30 min                                |                                    |
| <b>Drying time<sup>(1)</sup></b>      | 1 - 3 s at 300 x 300 dpi                    |                                    |
| <b>Throw distance<sup>(2)</sup></b>   | Up to 3 mm, recommended 1 mm                |                                    |
| <b>Average bulk delivered ink</b>     | 420 mL (vertical)                           |                                    |
| <b>Average drop volume</b>            | 27 pL                                       |                                    |
| <b>Operating conditions</b>           | 15 °C to 35 °C, 35% to 80% RH               | 15 °C to 35 °C, 35% to 80% RH      |
| <b>Shipping / storage temperature</b> | 10 °C to 35 °C                              | 10 °C to 35 °C                     |
| <b>Best before<sup>(3)</sup></b>      | 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             |
|----------------|---------------------------------|
| 2020K44S       | HydraJET® 2020K 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.

### MYLAN GROUP

Longduc Industrial Park, Travinh City, Travinh Province, Vietnam

Tel.: +84 2943 846 997 - Fax: +84 2943 846 998

Email: inks@mylangroup.com

Website: www.mylangroup.com