

# HP 45si Print Cartridge

Enhanced 45si HP Thermal Inkjet technology (TIJ) print cartridge



## Key highlights

The HP 45si Print Cartridge—designed specifically for product identification in package coding applications—provides improved performance with solvent inks:

- Faster printing speed<sup>1</sup>
- Longer throw distance<sup>1</sup>
- Built-in intelligence (smart card) provides
  - Authentication
  - Ink data
  - Cartridge data

## Applications

- Package coding and marking applications<sup>2</sup>
- Mail addressing and direct mail applications

**Solve your package coding needs on challenging, non-porous substrates. The enhanced HP 45si TIJ print cartridge delivers solvent inks developed by HP and our ink partners. Experience improved delivery of solvent inks in a clean, self-contained, user-replaceable HP designed print cartridge.**

## Print faster<sup>1</sup>

Achieve higher throughput. With the enhanced HP 45si Print Cartridge, you can apply HP Thermal Inkjet technology to applications at faster speeds—up to 300 feet per minute (90 meters per minute).

## See longer throw distance<sup>1</sup>

The HP 45si Print Cartridge offers longer throw distance and can now be used to print on a wide range of materials.

## Benefit from a built-in security solution

Intelligence built into the print cartridge offers an improved end-user experience. Delivering authentication, ink data, and cartridge data, the smart card technology enables consistent quality supplies and more predictable uptime.

<sup>1</sup> Compared to the HP 45A Print Cartridge.

<sup>2</sup> Use of this product may be regulated by the FDA or by laws or requirements of regulatory authorities.

## Technical specifications



**HP 45si Print Cartridge**

|   |                                     |
|---|-------------------------------------|
| <b>Print cartridge type</b>                   | HP 45si Print Cartridge             |
| <b>Resolution</b>                             | Up to 600 dpi (300 dpi recommended) |
| <b>Nozzle count</b>                           | 300                                 |
| <b>Print swath</b>                            | 12.7 mm (0.5 in)                    |
| <b>Throw distance</b>                         | Ink dependent                       |
| <b>Maximum firing frequency</b>               | 18 kHz (ink dependent)              |
| <b>Firing voltage</b>                         | Ink dependent                       |
| <b>Fire pulse width</b>                       | Ink dependent                       |
| <b>Number of electrical interconnect pads</b> | 52                                  |
| <b>Operating conditions</b>                   | Ink dependent                       |
| <b>Print cartridge servicing</b>              | Ink dependent                       |
| <b>Shipping/storage conditions</b>            | Ink dependent                       |
| <b>Smart card</b>                             | Yes                                 |

### Why choose HP Specialty Printing Systems (SPS)?

At HP SPS, we deliver industry-leading technology designed to boost your customers' satisfaction and profitability. Our technology is uniquely adaptable, helping you easily address new and diverse market needs. And our expansive portfolio includes products, supplies, services, and support, to help you deliver high-performance, reliable, and cost-effective solutions. By building on the foundation of HP, you can grow your business today and well into the future.

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