

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 speed¹
- Longer throw distance¹
- Built-in intelligence (smart card) provides
 - Authentication
 - Ink data
 - Cartridge data

Applications

- Package coding and marking applications²
- 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 faster¹

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 distance¹

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.

¹ Compared to the HP 45A Print Cartridge.

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

Technical specifications



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