



HP Designjet H45000 Printer series

Overview

Offering fast, high-quality output, the HP Designjet H45000 Printer series is ideal for print service providers (PSPs) looking to add speed and versatility to their business. This hybrid UV printer series, which easily converts from a roll-fed to a flatbed printer, features a leading combination of image quality and speed allowing PSPs to grow their business and deliver the results that customers demand.

The HP Designjet H45000 Printer series can produce a wide variety of applications ranging from point-of-purchase and exhibit displays to indoor and outdoor signage, and it provides the ability to print on flexible roll stock for high-speed production of outdoor banners and in-store graphics. The HP Designjet H45000 Printer series delivers production-level, high-volume print speeds up to 388 ft²/hr. Additionally, because customers do not have to wait for media to dry or spend the time to transfer or mount the output, they can deliver results even faster.

Designed for simplicity, the Designjet H45000 Printer series offers several time-saving features, including a graphical touch-screen control panel that displays the printer's status and enables direct interaction. Automatic calibrations ensure that the printer is always ready and smart media sensing ensures media is loaded precisely. Additionally, this printer series eliminates any need to clean the printheads manually, ensuring that the printer is always ready to print.

HP Designjet 788 inks and variable drop-size printheads combine to produce a greater image detail and smoother color transitions across a wide variety of media – such as banner vinyl, adhesive vinyl, canvas, paper and backlit film or rigid material up to 1 inch thick. Outdoor prints produced with HP Designjet 788 inks achieve display permanence up to three years outdoors, unlaminated.⁽¹⁾

Key features and benefits

- Offers a leading combination of image quality and speed – printing more than 388 ft²/hr on a variety of media.
- Delivers speed and versatility to PSPs by easily converting from a roll-fed to a flatbed printer and handles a wide range of media including inexpensive, uncoated rigid and roll-fed media.
- Features many space-saving elements, including integrated roller tables that easily fold up and out to print directly on rigid display and sign boards, and fold down and out of the way to allow printing on roll-fed media.
- Produces a greater image detail and smoother color transitions across a wide variety

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of media with the combination of HP Designjet 788 inks and variable drop-size printheads. Because the ink cures instantly with UV light exposure, PSPs no longer need to wait for media to dry. Media is ready to go immediately, straight from the printer.

- Maximizes usability and minimizes training costs with a simple, graphical touchscreen control panel that clearly displays printer status at a glance and enables easy navigation.
- Compatible with nearly an unlimited number of media substrates, including flexible roll-fed materials such as banner vinyl, adhesive vinyl, canvas, paper and backlit film. PSPs can also print directly on rigid material up to 1 inch thick and 98 inches in length.

Technical specifications

- Image quality:
 - 1,200 x 600 dpi
 - 600 x 600 dpi
 - 600 x 300 dpi
- Print speeds at 600 x 600 dpi:
 - High quality: 97 ft²/hr
 - Production: 194 ft²/hr
 - Billboard: 388 ft²/hr
- 4- and 6-ink printing with HP Designjet 788 UV pigment inks
 - HP Designjet H45100 features cyan, magenta, yellow and black
 - HP Designjet H45500 utilizes cyan, magenta, yellow, black, light magenta and light cyan.

Supported Original HP printing supplies

Single Original HP ink cartridges

- HP Designjet 788 Cyan Ink
- HP Designjet 788 Magenta Ink
- HP Designjet 788 Yellow Ink
- HP Designjet 788 Black Ink
- HP Designjet 788 Light Cyan Ink
- HP Designjet 788 Light Magenta Ink
- HP UV Printhead Flush
- HP Designjet 788 Specialty Cyan Ink
- HP Designjet 788 Specialty Magenta Ink
- HP Designjet 788 Specialty Yellow Ink

- HP Designjet 788 Specialty Black Ink
- HP Designjet 788 Specialty Light Cyan Ink
- HP Designjet 788 Specialty Light Magenta Ink

Media

To find a media compatible with the HP Designjet H45000 Printer series, please check www.colorsprint.com/pdfs/5400uv_Media_Compatibility_List.pdf.

Pricing and availability

Model	Estimated U.S. MSRP
HP Designjet H45100	\$72,495
HP Designjet H45500	\$83,995

The HP Designjet H45000 Printer series is currently available.

Additional information

More information about HP's Graphic Arts portfolio is available at www.hp.com/go/graphicarts.

⁽¹⁾ The HP Designjet H45000 Printer series was tested for outdoor display permanence according to ASTM G155 using a Q-Sun 1000 Xenon Test Chamber.

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3/2008