

# HP Designjet H35000 Printer series

Add versatility to your business with this affordable, intelligently designed printer series that converts easily from a roll-fed to a flatbed printer. Print directly on rigid display boards or flexible media using UV-curable inks with built-in HP quality.



Impressive results in an affordable, reliable printer.

- **Produce the print quality your customers demand.** Piezo printheads deliver variable-sized micro droplets of ink to achieve resolutions of 600 x 300, 600 x 600, and 1200 x 600 dpi. The six-color HP Designjet H35500 Printer delivers even higher apparent image quality—up to 1800 dpi.
- **Command attention.** 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.

Add the roll-fed and rigid media versatility you need.

- **Choose the media you want and print directly on it—no mounting required.** Print on flexible roll-fed materials such as banner vinyl, adhesive vinyl, canvas, paper, and backlit film or print directly on rigid material up to 1 inch (2.5 cm) thick and 96 inches (244 cm) in length. No laminating, transferring, or mounting required.
- **Reduce your printer's footprint without reducing functionality.** Designed to fit any space, this well-designed, hybrid UV printer easily converts from a roll-fed to a flatbed printer, minimizing floor space. The tables extend outward from 36 to 60 inches (91.4 to 152.4 cm) to support board lengths up to 96 inches (244 cm).
- **Save valuable time and cut costs.** Because the ink cures quickly with UV light exposure, you no longer need to wait for media to dry. Media is ready to go immediately, straight from the printer. And because you can print directly on rigid media, you no longer need to spend the extra time and material expense for mounting or laminating.

Work smarter with less effort with renowned HP quality.

- **Enjoy worry-free, self-service operation.** HP continues to build on years of experience to deliver the built-in reliability and ease-of-use your business expects from our products. HP engineers have thought through every detail. Designed for simplicity, this hands-off printer eliminates any need to clean the printheads manually and ensures that the printer is always ready to print.
- **What you used to do manually, the printer will do for you automatically.** The printer senses media edges and adjusts the print image precisely to the media position. Automatic printhead height adjustment allows the printer to accept and adjust to rigid sheet-fed media up to 1 inch (25 mm) thick.
- **Maximize usability and minimize training costs.** Redefine usability and minimize training time and costs with this simple, graphical, touchscreen control panel. This intuitive interface clearly displays printer status at a glance and enables easy navigation.
- **Expect accurate, consistent results from job-to-job, day-to-day, and media-to-media.** The printer aligns the printheads, ensures that every working jet fires a pixel at precisely the same location in both directions of travel, and detects individual jets that are misfiring and substitutes working jets for the missing jets. When used with the HP RIP Software, the printer performs automatic color calibrations using a high-resolution imaging sensor, photodiode, and embedded software. Get great results every time you print.
- **Experience HP's legendary quality and reliability.** To save your business time and simplify your workflow, the HP Designjet H35000 Printer series offers quality and trouble-free printing you can count on. And if you ever do need support, HP's high-quality support is among the best. Experience peace of mind, knowing you're covered.



No-drip, quick connect/disconnect  
HP Designjet 788 inks



Easy and intuitive 7 inch /17.7 cm color  
touchscreen front panel

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1. Integrated front and rear roller tables fold down and out of the way for roll-fed operation, or fold out for printing rigid materials.

2. Automatic media thickness detection and motor-driven height adjustment to accommodate media up to 1 in/25.4 mm thick.

3. Media Edge Guides prevent head strikes caused by roll-fed media edge curl.

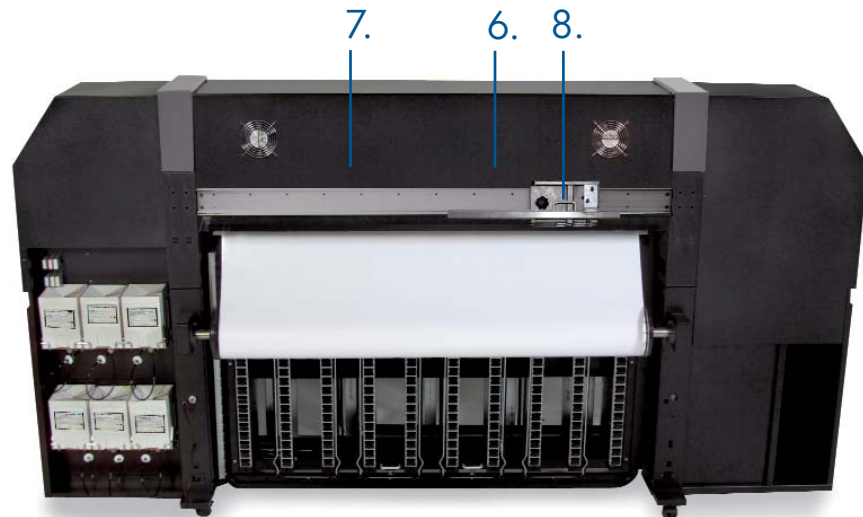
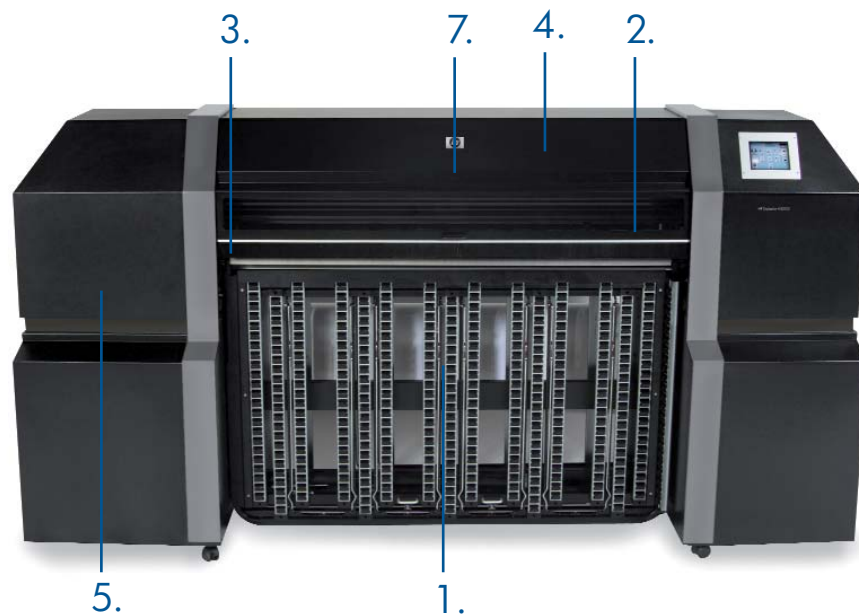
4. Dual-shuttered UV lamp housings eliminate special handling for various media thicknesses. User-replaceable UV bulbs lowering operating costs.

5. Printhead service station fully maintains printhead health. This hands-off design eliminates the need for wiping or dabbing of printheads and ensures the printer is always ready to produce top quality images.

6. Built-in static elimination discharges static build-up on both top and bottom surfaces of synthetic media.

7. Fully enclosed to provide protection from moving parts and stray ultraviolet light.

8. Adjustable Media Fence keeps rigid media feeding straight and prevents media skew.



The HP Designjet H35000 Printer series is designed to fit the needs of big and small print shops and specially suited for:

- POP
- Interior decoration
- Informational signage
- Banners



# HP Designjet H35000 Printer series at a glance

HP Designjet H35100 Printer	HP Designjet H35500 Printer
54 in/137 cm	54 in/137 cm
4 colors	6 colors
4 printheads (1 per color)	6 printheads (1 per color)
Hybrid configuration	Hybrid configuration
Billboard print speed at 600 x 600 dpi	Billboard print speed at 600 x 600 dpi
194 ft <sup>2</sup> /hr (18 m <sup>2</sup> /hr)	194 ft <sup>2</sup> /hr (18 m <sup>2</sup> /hr)

## Advanced Automation Eye

The HP Designjet H35000 Printer series uses a high-resolution imaging sensor, colorimetric spectrophotometer, and embedded software to automate the setup and calibration steps critical for achieving and maintaining print quality.

### Auto-set Calibration

Analyzes dot placement of printed patterns and automatically sets the head-to-head alignment and bi-directional (bidi) dot placement alignment to compensate for variable print speeds, head height settings, and media thickness.

### Auto-jet Calibration

Eliminates banding in prints and prolongs the useful life of printheads by mapping out jets that are not up to performance standards and compensating by using other jets in their place.

### Auto-tune Scheduler

Schedules the AutoJet Calibration to occur during unattended print runs to ensure maximum print quality and minimize waste or reprints.

### Auto-edge and Media Out Detection

Uses the image sensor to aid in the loading of rigid materials by detecting right, left, and leading edges allowing the printer to precisely position the media to begin printing.

### Color Calibration

The on-board spectrophotometer supplies color data to the external RIP's color management software to create custom ICC color profiles for your favorite 3rd party media. The color management system then adjusts the color to ensure accurate and consistent color.

### Color Profiling

This optional feature uses the on-board spectrophotometer. The printer prints and automatically reads hundreds of color swatches to allow the RIP and color management software to create custom ICC and color profiles for 3rd party media.



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## Technical specifications

<b>Color</b>	<b>HP Designjet H35100:</b> CMYK <b>HP Designjet H35500:</b> CMYKcm	
<b>Print heads</b>	<b>HP Designjet H35100:</b> 4 (one per color) <b>HP Designjet H35500:</b> 6 (one per color)	
<b>Print speed at 600 x 600 dpi</b>		
High quality	<b>H35100/H35500:</b> 48 ft <sup>2</sup> /hr (4.5 m <sup>2</sup> /hr)	
Production	<b>H35100/H35500:</b> 97 ft <sup>2</sup> /hr (9 m <sup>2</sup> /hr)	
Billboard	<b>H35100/H35500:</b> 194 ft <sup>2</sup> /hr (18 m <sup>2</sup> /hr)	
<b>Print resolutions</b>	1200 x 600, 600 x 600, 600 x 300 dpi	
<b>Print technology</b>	Reciprocating UV-curable inkjet Print technology	
<b>Technology resolution</b>	1200 x 600 dpi	
<b>Ink</b>		
Ink types	HP Designjet 788 UV pigment inks	
Print cartridge colors	<b>HP Designjet H35100:</b> Cyan, magenta, yellow, black	
	<b>HP Designjet H35500:</b> Cyan, magenta, yellow, black, light magenta, light cyan	
	1 liter ink supplies	
Ink cartridge size	10 to 30 pl	
Ink drop	192 nozzles per head	
Nozzles	512 MB	
<b>Memory</b>		
<b>Media</b>		
Handling	Integrated front and rear roller tables support rigid media up to 96 in/244 cm in length and 35 lb/15.9 kg in weight. Automatic sensing of media thickness and head height adjustment. Supports roll-fed media on 3 inch cores.	
	Roll-fed materials such as banner vinyl, adhesive vinyl, canvas, paper, and backlit film.	
	A wide variety of ridged board stock can be used including Coroplast, Foam-Cor, Sintra, Polystyrene, Acrylics, Corrugated, Plywood, DiBond, and more	
Thickness	Up to 1 in / 2.54 cm thick and 35 lb / 15.9 kg in weight	
Maximum width	24 to 54 in / 61 to 137 cm	
Maximum roll weight	60 lb / 27.2 kg	
<b>Print margins</b>	0.25 in / 0.64 cm right and left margin on flexible media.	
	Edge-to-edge available on rigid media.	
<b>Maximum print length</b>	Unlimited (determined by RIP software or media roll length)	
<b>Print accuracy</b>	0.1%	
<b>Interface</b>	100 Megabit VideoNet	
<b>UV energy source</b>	Dual, high-energy, user-replaceable UV bulbs. User-selectable Low, Medium, and High settings.	
<b>Shipping Dimensions</b>		
Weight	894 lb/406 kg	
Height	66.3 in/168 cm	
Depth	36 in/91 cm	
Width	117 in/297 cm	
<b>Assembled dimensions</b>	<b>Roll-fed</b>	<b>Tables Fully Extended</b>
Weight	581 lb/264 kg	581 lb/264 kg
Height	57.1 in/145 cm	57.1 in/145 cm
Depth	27.6 in/70.2 cm	127.8 in/325 cm
Width	108 in/274 cm	108 in/274 cm
<b>What's in the box</b>	Four or six 1-liter inks depending on model, 1-liter Printhead flush, 54 in x 100 ft roll of UV Photobase, 25 ft VideoNet interface cable, documentation, miscellaneous supplies and accessories.	

## Ordering information

CH104A	HP Designjet H35100 Printer
CH105A	HP Designjet H35500 Printer

### Inks

CH116A	HP Designjet 788 Cyan Ink
CH117A	HP Designjet 788 Magenta Ink
CH118A	HP Designjet 788 Yellow Ink
CH119A	HP Designjet 788 Black Ink
CH120A	HP Designjet 788 Light Cyan Ink
CH121A	HP Designjet 788 Light Magenta Ink
CH122A	HP UV Printhead Flush
CH123A	HP Designjet 788 Specialty Cyan Ink
CH124A	HP Designjet 788 Specialty Cyan Ink
CH125A	HP Designjet 788 Specialty Yellow Ink
CH126A	HP Designjet 788 Specialty Black Ink
CH127A	HP Designjet 788 Specialty Light Cyan Ink
CH128A	HP Designjet 788 Specialty Light Magenta Ink

### RIPs

CH224A	HP with Color Profiling RIP Software
CH225A	HP RIP Software
CH226A	HP RIP Software Upgrade
CH228A	Onyx® Postershop® RIP Software
CH229A	Onyx® Production House RIP Software

### HW accessories

CH231A	HP DJ H35000/H45000 UV Replacement Bulb
CH232A	HP DJ H35000/H45000 Fume Exhaust HW
CH233A	HP DJ H35000/H45000 Floor Switch

## Operating environment

<b>Electrical</b>	220-240 VAC, single phase, 50/60 Hz, 16 Amps maximum.
<b>Operating temperature</b>	68° to 85° F (20° to 30° C)
<b>Operating humidity</b>	20% to 80% Relative Humidity, non-condensing
<b>Warranty</b>	One year on-site parts and labor. Extended warranties available.
<b>Agency compliance/Certification</b>	Safety: CE, UL, c-UL Emissions: CE, FCC-A Immunity: CE RoHS certified

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