



# HP Latex 800 W Print & Cut

Win high-value jobs with white ink and productive printing—and sharpen your sustainability edge

Available on **PPUGRO™**



## Expand into white, produce the highest value jobs

- Extend your portfolio into high-margin stickers and window graphics with the whitest white.<sup>1</sup>
- Print white without complexity—automatic recirculation and printhead cleaning reduce manual purging.
- Deliver vivid colors at high speed, get striking contrast using pure blacks, and expect sharp 4-point text.
- Choose from a wide application range covering banners/textiles/poster paper, canvas, wallpaper, and vinyl.

## Robust, smart, and productive printing

- Drive high productivity with saturated color at speeds up to 388 ft<sup>2</sup>/hr outdoor<sup>2</sup>, easy spindle-less loading.
- Control print operations virtually anytime, anywhere with HP PrintOS tools, and grow with HP Learn trainings.
- Work fast processing reprints and multi-copy jobs with a smart front panel, and store up to 100 jobs.
- Help reduce running costs with cost-effective 3-liter HP ink cartridges, changed while the printer runs.

## Sharpen your sustainability edge with HP Latex

- Innovative water-based HP Latex Inks—no HAPs<sup>3</sup>, no required hazard warning labels, and odorless prints.<sup>4</sup>
- Local HP Eco-Carton outer carton recycling.<sup>5</sup>
- Choose from a wide range of compatible eco-conscious media.<sup>6</sup>
- HP Latex prints are recyclable, returnable, or non-hazardous and safe for disposal.<sup>7</sup>

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future.

<sup>1</sup> Whitest white based on ISO/DIS 23498 compared to competitive alternatives using solvent and UV technologies under \$50,000 USD as of May, 2020. Test performed on black opaque self-adhesive vinyl (L\*:4.16 – a:0.48 – b:2.34) with 160% UF printmode using HP 873 3-liter White Latex Ink Cartridge. Visual opacity = 91%.

<sup>2</sup> Outdoor mode (Banner) 4-pass, 100%. Based on internal HP testing in September 2020 on Avery 3001. Print speed may vary due to the adaptive printing mechanism to avoid image quality defects.

<sup>3</sup> HP Latex Inks were tested for Hazardous Air Pollutants, as defined in the Clean Air Act, per U.S. Environmental Protection Agency Method 311 (testing conducted in 2013) and none were detected.

<sup>4</sup> There is a broad set of media with very different odor profiles. Some of the media can affect the odor performance of the final print.

<sup>5</sup> The ink cartridge outer carton is 100% recyclable through local cardboard/paper programs.

<sup>6</sup> See <http://www.hp.com/go/mediasolutionslocator>.

<sup>7</sup> Most HP large format paper-based printing materials can be recycled through commonly available recycling programs, or according to region-specific practices. Some HP media are eligible for return through the free, convenient HP Large Format Media take-back program. Programs may not exist in your area. See <http://www.HPLFMedia.com/hp/ecosolutions> for details. HP large format printing materials, both unprinted and printed with Original HP Latex Inks, are non-hazardous and safe for disposal. Contact your local waste management authority for local area-specific instructions.

# Technical specifications

## Print

Printing modes	122 m <sup>2</sup> /hr - Max Speed (1-pass) 36 m <sup>2</sup> /hr - High Speed (4-pass) 25 m <sup>2</sup> /hr - Production Fast (6-pass) 20 m <sup>2</sup> /hr - Production Quality, Textiles and Backlits (8-pass) 17 m <sup>2</sup> /hr - High Saturation (12-pass) 14 m <sup>2</sup> /hr - High Saturation Backlits and Textiles (14-pass) 17 m <sup>2</sup> /hr - White Spot (60%) 9 m <sup>2</sup> /hr - White Overflood (60%) 3 m <sup>2</sup> /hr - White Underflood (100%) 2 m <sup>2</sup> /hr - 3 Layers Day & Night (160%) <sup>1</sup>
Print resolution	Up to 1200 x 1200 dpi
Ink types	Water-based HP Latex Inks
Ink cartridges	9 (black, cyan, light cyan, light magenta, magenta, yellow, white, HP Latex Optimizer, HP Overcoat)
Cartridge size	3 L
Printheads	10 (2 cyan/black, 2 magenta/yellow, 2 light cyan/light magenta, 2 white, 1 HP Latex Optimizer, 1 HP Overcoat)
Long-term print-to-print repeatability	95% of colors ≤ 1.5 dE2000 <sup>2</sup>

## Media

Handling	Roll feed, take-up reel, wiper roller <sup>3</sup> , automatic horizontal cutter (for vinyl, banner and canvas <sup>4</sup> , paper-based media, and film)
Media types	Banners, self-adhesive vinyls, films, fabrics, papers, wall coverings, canvas, synthetics, mesh, textiles <sup>5</sup>
Roll size	254 to 1625-mm rolls (580 to 1625-mm rolls with full support)
Roll weight	55 kg
Roll diameter	250 mm
Thickness	Up to 0.5 mm

<b>Applications</b>	Banners; Displays; Exhibition and event graphics; Exterior signage; Indoor posters; Interior decoration; Light boxes - film, light boxes - paper; Murals; POP/POS; Posters; Textile; Vehicle graphics; Window graphics; Stickers
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## Connectivity

Interfaces	Gigabit Ethernet (1000Base-T)
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## Dimensions (w x d x h)

Printer	2583 x 866 x 1402 mm	Cutter: 1980 x 680 x 1145 mm
Shipping	2753 x 1100 x 1666 mm	Cutter: 2110 x 480 x 670 mm
Operating area	2793 x 2100 mm	

## Weight

Printer	300 kg	Cutter: 54 kg
Shipping	437 kg	Cutter: 78 kg

## What's in the box

HP Latex 800 W Printer, printheads, maintenance cartridge, printer stand, take-up reel, user maintenance kit, edge holders, quick reference guide, setup poster, documentation software, power cords, air purgers, 2-in spindle adaptor, Cutter: HP Latex 64 Cutter, cutter stand, media basket, HP Flexiprint and Cut RIP, HP Cutter Control software, quick reference guide, setup poster, documentation software, power cords, standard holder (1), standard blades (2), cut-off knife (1), 3-in media flanges (set of 2)

## Environmental ranges

Operating temperature	15 to 30°C
Operating humidity	20 to 80% RH (non-condensing)

## Acoustics

Sound pressure	60 dB(A) (operating), 38 dB(A) (idle), <20 dB(A) (sleep)
Sound power	7.8 B(A) (operating), 5.5 B(A) (idle), <3.5 B(A) (sleep)

## Power

Consumption	1.8-2.8 kW (5 kW peak) (printing), 105 W (ready)
Requirements	Input voltage (auto ranging) 200-240 V (±10%) two wires and PE; 50/60 Hz (±3 Hz); two power cords; 16 A max per power cord

## Certification

Safety	IEC 60950-1+A1+A2 compliant; IEC 62368-1 compliant; USA and Canada (CSA listed); EU (LVD, EN 60950-1 and EN 62368-1 compliant); Russia, Belarus, and Kazakhstan (EAC); China (CCC)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI), Korea (KCC), China (CCC)
Environmental	ENERGY STAR®; RoHS (WEEE, EU, EAEU, China, Korea, India, Ukraine, Turkey); REACH; EPEAT Silver; OSHA; CE marking compliant; Meets AgBB criteria; French VOC A+; Greenguard Gold; UL Ecologo; ZDHC - Level 1

## Warranty

One-year limited hardware warranty

## Cutting

Cut type	Drag-knife with TurboCut and Tangential emulation modes
Cut width	158 cm
Cut speed	Up to 113 cm/sec diagonal
Acceleration	Up to 3 G diagonal
Accuracy	0.2% of movement or 0.25 mm, whichever is greater
Repeatability	±0.1 mm
Cut force	0 to 400 grams of downforce, in 5-gram steps
Cut thickness	0.05 to 0.25 mm; 0.8 mm with optional sandblast blade

# Ordering information

## Product

3XD61B	HP Latex 800 W Printer
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## Accessories

21V10A	HP Latex 700/800 User Maintenance Kit
7HR16A	HP Latex 700/800 Textile Kit Accessory
7HR18A	HP Latex 700/800 Ink Collector Foams Kit
7HR19A	HP Latex 700/800 Media Loading Accessory
T7U73A	HP Latex 500/700/800 Wiper Roller

## Original HP printing supplies

4UJ93A	HP B36 White Latex Printhead
4UJ94A	HP B36 Optimizer Latex Printhead
4UV38A	HP B73Y 3-liter Black Latex Ink Cartridge
4UV39A	HP B73Y 3-liter Cyan Latex Ink Cartridge
4UV40A	HP B73Y 3-liter Magenta Latex Ink Cartridge
4UV41A	HP B73Y 3-liter Yellow Latex Ink Cartridge
4UV62A	HP B73 3-liter White Latex Ink Cartridge
4UV88A	HP B73 3-liter Light Cyan Latex Ink Cartridge
4UV98A	HP B73 3-liter Light Magenta Latex Ink Cartridge
4UV90A	HP B73 3-liter Optimizer Latex Ink Cartridge
4UV91A	HP B73 3-liter Overcoat Latex Ink Cartridge
4UV95A	HP B36 Black/Cyan Latex Printhead
4UV96A	HP B36 Magenta/Yellow Latex Printhead
4UV97A	HP B36 Light Cyan/Light Magenta Latex Printhead
4UV98A	HP B36 Overcoat Latex Printhead

## Original HP large format printing materials

HP PVC-free Wallpaper (UL GREENGUARD GOLD Certified <sup>6</sup> , FSC <sup>®</sup> certified <sup>7</sup> , meets AgBB criteria <sup>8</sup> )
HP Photo-realistic Poster Paper
HP Premium Satin Canvas
HP Prime Matte Air GP (REACH compliant <sup>9</sup> )
HP Premium Removable Gloss Adhesive Vinyl (REACH compliant <sup>9</sup> )

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

## Service and Support

U13DDE HP 2 year Next Business Day with Defective Media Retention
U13DJE HP 3 year Next Business Day with Defective Media Retention
U13DNPE HP 1 year Post Warranty Next Business Day with Defective Media Retention
U13DTPPE HP 2 year Post Warranty Next Business Day with Defective Media Retention

# ECO highlights

- Inks do not use reactive monomer chemistry, are ozone-free, and meet the ZDHC standard<sup>1</sup>
- Can win new business with odorless prints, UL ECOLOGO<sup>®</sup>/UL GREENGUARD Gold Certified ink, and more<sup>2</sup>
- High-volume 3-liter HP Eco-Carton ink cartridges—carton-based design significantly reduces plastic

Please recycle printing hardware and eligible printing supplies and prints. Find out how at our website: <http://www.hp.com/ecosolutions>

<sup>1</sup> See <http://www.roadmaptozero.com>. Printing with HP Latex Inks avoids the problematic reactive monomers associated with UV printing. Acrylate monomers present in uncured UV inks and UV-gel inks can damage skin.  
<sup>2</sup> There is a broad set of media with very different odor profiles. Some of the media can affect the odor performance of the final print. For certifications, see <http://www.ul.com/EL> and <http://www.ul.com/gg>.



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