



# HP Latex 560 Printer

Manage peaks efficiently, rely on highest quality over time



*Water-based HP Latex Technology is unique, delivering a combination of true application versatility, high image quality and high productivity, and a sustainable approach that's better for your operators, your business, and the environment.<sup>1</sup>*

## Match peak demand with fast response times

- Load rolls in one minute or less with the spindleless pivot table and automatic skew adjustment
- Respond fast with quality—up to 23 m<sup>2</sup>/hr (248 ft<sup>2</sup>/hr) indoor quality mode
- Cut risk, eliminate delays—prints are dry and scratch resistant<sup>2</sup> immediately after printing
- Easily produce high-quality double-sided banners—automation enables efficiency and speed

## Get vivid color and consistent quality over time

- Produce highly saturated prints with up to 50% more ink density,<sup>3</sup> using vivid print modes
- Print colors right the first time with the i1 embedded spectrophotometer<sup>4</sup> and HP Custom Substrate Profiling
- Consistent, day-one image quality over time—native 1200 dpi, user changes printheads, auto nozzle replacement
- Handle robust tiling applications with consistent colors to  $\leq 2$  dE2000<sup>5</sup> and  $\pm 1$  mm/m length accuracy

## Keep costs low

- Get the high-quality results of high-cost materials on lower cost banners and vinyls with the wiper roller
- Double your work space<sup>6</sup>—do all tasks from the front of the printer, including media/ink cartridge changes
- Cut 2 to 3 hours/month maintenance<sup>7</sup>—automatic maintenance, OMAS media calibration save operator time
- Plan production in advance, optimize supplies usage, and save time—utilities predict how much ink is needed

For more information, please visit [hp.com/go/Latex560](http://hp.com/go/Latex560)

Join the community, find tools, and talk to experts. Visit the HP Latex Knowledge Center at [hp.com/communities/HPLatex](http://hp.com/communities/HPLatex)

<sup>1</sup> Based on a comparison of HP Latex Ink technology to competitors with leading market share as of December, 2013 and analysis of published MSDS/SOSs and/or internal evaluation. Performance of specific attributes may vary by competitor and ink technology/formulation.

<sup>2</sup> Scratch resistance is comparable to hard-solvent inks on self-adhesive vinyl and PVC banner. Scratch-resistance comparison based on testing third-generation HP Latex Inks and representative hard-solvent inks. Estimates by HP Image Permanence Lab on a range of media.

<sup>3</sup> Compared to the HP Latex 360 Printer when using the same print mode.

<sup>4</sup> ICC profiling with the spectrophotometer does not support uncoated textiles and backlits.

<sup>5</sup> The color variation inside a printed job has been measured at 10-pass mode on vinyl media within this limit: maximum color difference (95% of colors)  $\leq 2$  dE2000. Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/E:2012. 5% of colors may experience variations above 2 dE2000. Backlit substrates measured in transmission mode may yield different results.

<sup>6</sup> Available work space based on internal HP testing in January, 2016 comparing the HP Latex 500 Printer series to key competitive printers.

<sup>7</sup> Based on internal HP testing and manual maintenance requirements published in user manuals available as of January, 2016 for key competitive products compared to automatic maintenance provided by the HP Latex 500 Printer series.

# HP Latex 560 Printer (1.63 m / 64 in)

## HP Latex Optimizer

- Achieve high image quality at high productivity
- Interacts with HP Latex Inks to rapidly immobilize pigments on the surface of the print

## End-to-end sustainability—a better approach

HP Latex Technology delivers all the certifications that matter to your operators, your business, and the environment.<sup>8</sup>



UL ECOLOGO<sup>9</sup>



Eco Mark Certification  
Number 14142007<sup>10</sup>

Using water-based inks eliminates exposure to inks with hazard warning labels and high solvent concentrations, and simplifies ventilation, storage, and transportation requirements.

HP Latex Inks enable more differentiation—odorless prints go where solvent can't.



UL GREENGUARD GOLD<sup>11</sup>

HP is designing end-to-end sustainability into large-format printing. The HP Latex 560 Printer is EPEAT Bronze registered—a designation for reduced environmental impact.<sup>12</sup>



<sup>8</sup> Based on a comparison of HP Latex Ink technology to competitors with leading market share as of December, 2013 and analysis of published MSDS/SDSs and/or internal evaluation. Performance of specific attributes may vary by competitor and ink technology/formulation.

<sup>9</sup> Applicable to HP Latex Inks. UL ECOLOGO<sup>®</sup> Certification to UL 2801 demonstrates that an ink meets a range of multi-attribute, lifecycle based criteria related to human health and environmental considerations (see [ul.com/EL](http://ul.com/EL)).

<sup>10</sup> HP 831 Latex Ink Cartridges, certification number 14142007, certified by the Eco Mark Office of Japan Environment Association.

<sup>11</sup> Applicable to HP Latex Inks. UL GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to UL's GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit [ul.com/gg](http://ul.com/gg) or [greenguard.org](http://greenguard.org).

<sup>12</sup> EPEAT registered where applicable/supported. See [epeat.net](http://epeat.net) for registration status by country.

<sup>13</sup> Scratch-resistance comparison based on testing third-generation HP Latex Inks and representative hard-solvent inks. Estimates by HP Image Permanence Lab on a range of media.

<sup>14</sup> HP image permanence estimates by HP Image Permanence Lab. Outdoor display permanence tested according to SAE J2527 on a range of media, including HP media; in a vertical display orientation in simulated nominal outdoor display conditions for select high and low climates, including exposure to direct sunlight and water; performance may vary as environmental conditions change. Laminated display permanence using HP Clear Gloss Cast Overlaminate, GBC clear gloss 1.7 mil hot laminate, or Neschen Solvoprint Performance Clear 80 laminate. Results may vary based on specific media performance.

<sup>15</sup> For best results use media options intended for double-sided printing.

<sup>16</sup> ICC profiling with the spectrophotometer does not support uncoated textiles and backlits.

<sup>17</sup> The color variation inside a printed job has been measured at 10-pass mode on vinyl media within this limit: maximum color difference (95% of colors) <= 2 dE2000. Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/E:2012. 5% of colors may experience variations above 2 dE2000. Backlit substrates measured in transmission mode may yield different results.

## HP Latex Inks

- Scratch resistance comparable to hard-solvent inks on SAV and PVC banner—you can consider un laminated use for short-term signage<sup>13</sup>
- Outdoor durability up to 5 years laminated, 3 years un laminated<sup>14</sup>

## HP Latex printheads

- See fine details and smooth transitions with HP 831 Latex Printheads providing 1200 dpi native resolution
- Keep day-one image quality by replacing the printheads yourself in a few minutes, without a service call

## High-efficiency curing

- Prints are completely cured and dry inside the printer, and ready for immediate finishing and delivery

## Easy maintenance and operation

- Accessible print zone with large window and lights
- Enjoy low-maintenance printing with automatic drop detection and nozzle replacement

## HP Optical Media Advance Sensor (OMAS)

- Precise and accurate motion control of media advance between print swaths
- Controls registration automatically including double-sided prints with automated registration across sides<sup>15</sup>

# HP Latex 560 Printer

# HP Latex Technology



## HP Custom Substrate Profiling

- Simplified color management, directly from the front panel, 8-inch touchscreen
- Pre-installed generic and HP substrate online profile library
- Create custom ICC profiles with the i1 embedded spectrophotometer<sup>16</sup>



## Spectrophotometer

- Color consistency for balanced production
- i1 embedded spectrophotometer enables automatic calibration<sup>16</sup>
- Delivers consistent colors to  $\leq 2$  dE2000<sup>17</sup>
- Color emulation workflow



## Spindleless system

- Fast media load/unload; load in one minute or less
- Front media loading, easy single operator task



## Wiper roller

- Get the high-quality results of high-cost materials on lower cost banners and vinyls with the wiper roller



## Heavier rolls

- Run unattended—print 100-m (328-ft) length SAV rolls with heavy roll support up to 55 kgs (121 lbs)
- Easy operation with the roll lifter



## Technical specifications

<b>Printing</b>	Printing modes	91 m <sup>2</sup> /hr (980 ft <sup>2</sup> /hr) - Max Speed (1-pass) 31 m <sup>2</sup> /hr (334 ft <sup>2</sup> /hr) - Outdoor High Speed (4-pass 4-color) 28 m <sup>2</sup> /hr (301 ft <sup>2</sup> /hr) - Outdoor Plus (4-pass) 23 m <sup>2</sup> /hr (248 ft <sup>2</sup> /hr) - Indoor Quality (6-pass) 14 m <sup>2</sup> /hr (151 ft <sup>2</sup> /hr) - Indoor High Quality (10-pass) 6 m <sup>2</sup> /hr (69 ft <sup>2</sup> /hr) - Backlits, Textiles, and Canvas (16-pass) 5 m <sup>2</sup> /hr (54 ft <sup>2</sup> /hr) - High Saturation Textiles (20-pass)	
	Print resolution	Up to 1200 x 1200 dpi	
	Margins	5 x 5 x 0 x 0 mm (0.2 x 0.2 x 0 x 0 in) (without edge holders)	
	Ink types	HP Latex Inks	
	Ink cartridges	Black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimizer	
	Cartridge size	775 ml	
	Printheads	7 (2 cyan/black, 2 yellow/magenta, 1 light magenta/light cyan, 2 HP Latex Optimizer)	
	Color consistency <sup>18</sup>	Average <= 1 dE2000, 95% of colors <= 2 dE2000	
	<b>Media</b>	Handling	Roll feed; take-up reel; wiper roller; roll lifter; automatic cutter (for vinyl, paper-based media, backlit polyester film)
		Media types	Banners, self-adhesive vinyls, films, fabrics, papers, wall-coverings, canvas, synthetics, mesh, textiles <sup>19</sup>
Roll size		254 to 1625-mm (10 to 64-in) rolls (580 to 1625-mm (23 to 64-in) rolls with full support)	
Roll weight		55 kg (121 lb)	
Roll diameter		250 mm (9.8 in)	
<b>Applications</b>	Thickness	Up to 0.5 mm (19.7 mil)	
	Banners, Displays, Double-sided banners, Exhibition, Event graphics, Exterior signage, Indoor posters, Interior decoration, Light boxes – film, Light boxes – paper, Murals, POP/POS, Posters, Textiles, <sup>19</sup> Vehicle graphics		
<b>Connectivity</b>	Interfaces (standard)	Gigabit Ethernet (1000Base-T)	
<b>Dimensions (w x d x h)</b>	Printer	2560 x 792 x 1420 mm (101 x 31 x 56 in)	
	Shipping	2750 x 1037 x 1689 mm (108 x 41 x 67 in)	
	Operating area	2761 x 1792 mm (109 x 71 in)	
<b>Weight</b>	Printer	220 kg (485 lb)	
	Shipping	330 kg (728 lb)	
<b>What's in the box</b>	HP Latex 560 Printer, printheads, maintenance cartridge, ink collector, output platen protector, printer stand, roll lifter, take-up reel, loading accessory, user maintenance kit, edge holders, quick reference guide, setup poster, documentation software, power cords		
<b>Environmental ranges</b>	Operating temperature	15 to 30°C (59 to 86°F)	
	Operating humidity	20 to 80% RH (non-condensing)	
<b>Acoustic</b>	Sound pressure	59 dB(A) (printing); 39 dB(A) (ready); < 15 dB(A) (sleep)	
	Sound power	7.3 B(A) (printing); 5.4 B(A) (ready); < 3.5 B(A) (sleep)	
<b>Power</b>	Consumption	4 kW (printing); 85 watts (ready); < 3 watts (sleep)	
	Requirements	Input voltage (auto ranging) 200 to 240 VAC (-10% +10%) two wires and PE; 50/60 Hz (+/- 3 Hz); two power cords; 13 A max per power cord	
<b>Certification</b>	Safety	IEC 60950-1+A1+A2 compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 compliant); Russia, Belarus, and Kazakhstan (EAC); Australia and New Zealand (RCM)	
	Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI)	
	Environmental	ENERGY STAR, WEEE, RoHS (EU, China, Korea, India, Ukraine, Turkey), REACH, EPEAT Bronze, OSHA, CE marking compliant	
<b>Warranty</b>	One-year limited hardware warranty		



## Ordering information

<b>Product</b>	M0E29A	HP Latex 560 Printer	
<b>Accessories</b>	F0M59A	HP Latex 300/500 User Maintenance Kit	
	T7U73A	HP Latex 500 Series Wiper Roller	
	T7U74A	HP Latex 500 Series Ink Collector	
	T7U76A	HP Latex 500 Series Beacon	
<b>Original HP printheads</b>	CZ677A	HP 831 Cyan/Black Latex Printhead	
	CZ678A	HP 831 Yellow/Magenta Latex Printhead	
	CZ679A	HP 831 Light Magenta/Light Cyan Latex Printhead	
	CZ680A	HP 831 Latex Optimizer Printhead	
	CZ688A	HP 831B 775-ml Black Latex Ink Cartridge	
	CZ689A	HP 831B 775-ml Cyan Latex Ink Cartridge	
<b>Original HP ink cartridges and maintenance supplies</b>	CZ690A	HP 831B 775-ml Magenta Latex Ink Cartridge	
	CZ691A	HP 831B 775-ml Yellow Latex Ink Cartridge	
	CZ692A	HP 831B 775-ml Light Cyan Latex Ink Cartridge	
	CZ693A	HP 831B 775-ml Light Magenta Latex Ink Cartridge	
	CZ706A	HP 831 775-ml Latex Optimizer Ink Cartridge	
	CZ681A	HP 831 Latex Maintenance Cartridge	
	<b>Original HP large format printing materials</b>	HP printing materials are designed together with HP Latex Inks and HP Latex printers to provide optimal image quality, consistency, and reliability.	
		HP Permanent Gloss Adhesive Vinyl REACH <sup>20</sup>	
		HP Backlit Polyester Film <sup>21</sup>	
		HP PVC-free Durable Smooth Wall Paper REACH, <sup>20</sup> FSC® certified, <sup>22</sup> UL GREENGUARD GOLD Certified <sup>23</sup>	
HP Premium Poster Paper <sup>21</sup> FSC® certified <sup>22</sup>			
For the entire HP Large Format Printing Materials portfolio, please see <a href="http://HPLFMedia.com">HPLFMedia.com</a> .			
<b>Service and support</b>	U9AX7E	HP 2 year Next Business Day with Defective Media Retention HW Support	
	U9AY0E	HP 3 year Next Business Day with Defective Media Retention HW Support	
	U9AY1PE	HP 1 year Post Warranty Next Business Day with Defective Media Retention HW Support	
	U9CR9PE	HP 2 year Post Warranty Next Business Day with Defective Media Retention HW Support	
	U9AY2E	HP 2 year Channel Rmt Part with Defective Media Retention HW Support	
	U9CS0PE	HP 1 year Post Warranty Channel Rmt Parts with Defective Media Retention HW Support	
	M0E29-67087	HP Service Maintenance Kit 3	
	M0E29-67085	HP Service Maintenance Kit 1	

<sup>18</sup> The color variation inside a printed job has been measured at 10-pass mode on vinyl media within this limit: maximum color difference (95% of colors) <= 2 dE2000. Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/ E:2012. 5% of colors may experience variations above 2 dE2000. Backlit substrates measured in transmission mode may yield different results.

<sup>19</sup> Performance may vary depending on media—for more information, see [hp.com/go/mediasolutionslocator](http://hp.com/go/mediasolutionslocator). For best results, use textiles that do not stretch. The optional ink collector is required for porous textiles.

<sup>20</sup> This product does not contain substances listed as SVHC (155) per Annex XIV of the EU REACH directive published as of June 16, 2014 in concentrations exceeding 0.1%. To determine the status of SVHC in HP products, see the HP REACH Declaration published at [HP Printing Products and Consumable Supplies](http://HP Printing Products and Consumable Supplies).

<sup>21</sup> HP Large Format Media take-back program availability varies. Some recyclable HP papers can be recycled through commonly available recycling programs. Recycling programs may not exist in your area. See [HPLFMedia.com/hp/ecosolutions](http://HPLFMedia.com/hp/ecosolutions) for details.

<sup>22</sup> BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). Not all FSC®-certified products are available in all regions.

<sup>23</sup> UL GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to UL's GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit [ul.com/gg](http://ul.com/gg) or [greenguard.org](http://greenguard.org).

