

# HP Latex 1500 Printer

Affordable superwide 3.2-m (126-inch) HP Latex printing



*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>*

## Fast, productive superwide applications

- Print SAV at 45 m<sup>2</sup> (480 ft<sup>2</sup>)/hr indoor quality,<sup>2</sup> PVC banner at 74 m<sup>2</sup> (800 ft<sup>2</sup>)/hr outdoor quality<sup>3</sup>
- Deliver vivid textiles quickly—up to 24 m<sup>2</sup> (260 ft<sup>2</sup>)/hr;<sup>4</sup> optional ink collector kit for porous textiles<sup>5</sup>
- Automatically print double-sided backlit applications with the optional double-sided day night kit<sup>6</sup>
- Cut risk, eliminate delays—prints are dry and scratch resistant<sup>7</sup> immediately after printing

## Quality results—with every print

- Get the color and quality you expect with innovative HP technology including OMAS, embedded spectrophotometer
- Match tile edges confidently—advanced features enable HP printheads to deliver color consistency  $\leq 2$  dE2000<sup>8</sup>
- Maintain quality print after print—with 1200 dpi HP Thermal Inkjet printheads and auto nozzle replacement
- Get quality results over the life of the printer with timely, routine HP Print Care preventive maintenance

## Cut costs, keep control

- Help reduce your running costs with cost-effective 5-liter HP ink cartridges
- Do quick visual checks—the accessible print zone features LED lighting
- At-a-glance monitoring on a busy production floor with internal print server alerts and status beacon signals
- More unattended printing—a robust roll-to-roll design drives up to 150 m<sup>2</sup> (1600 ft<sup>2</sup>) PVC banner production

<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/SDSs and/or internal evaluation. Performance of specific attributes may vary by competitor and ink technology/formulation.

<sup>2</sup> At 6-pass, 6-color, 100%. 45 m<sup>2</sup> (480 ft<sup>2</sup>)/hr requires the optional HP Latex 1500 Dual Roll Kit.

<sup>3</sup> At 3-pass, 6-color, 90%.

<sup>4</sup> At 12-pass, 6-color, 170%.

<sup>5</sup> The HP Latex 1500 Ink Collector Kit is an optional accessory for printing on porous textiles and mesh banner. To be available after the introduction of the HP Latex 1500 Printer.

<sup>6</sup> Printing double-sided backlit applications requires the optional HP Latex 1500 Double-sided Day Night Kit. Front-to-back image registration accuracy of 2 mm or better when using certified PVC banner and paper media, see [hp.com/go/mediasolutionslocator](http://hp.com/go/mediasolutionslocator).

<sup>7</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>8</sup> The color variation inside a printed job has been measured to be 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.

# HP Latex 1500 Printer (3.2 m / 126 in)

## 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>9</sup>



UL ECOLOGO<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 and UV can't.



UL GREENGUARD GOLD<sup>11</sup>

HP is designing end-to-end sustainability into large-format printing.



HP Planet Partners Program<sup>12</sup>

HP Large Format Media take-back program<sup>13</sup>

<sup>9</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>10</sup> Applicable to HP Latex Inks. UL ECOLOGO® 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>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> Visit [hp.com/recycle](http://hp.com/recycle) to see how to participate and for HP Planet Partners program availability; program may not be available in your area. Where this program is not available, and for other consumables not included in the program, consult your local waste authorities on appropriate disposal.

<sup>13</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>14</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>15</sup> To be available after the introduction of the HP Latex 1500 Printer.

### HP Latex Inks

Scratch resistance comparable to hard-solvent inks on SAV and PVC banner<sup>14</sup>

**HP Latex Optimizer**  
High image quality at high speed

**HP OMAS & spectrophotometer**  
Reliable print quality—get the color and quality you expect

**HP Latex printheads**  
1200 dpi resolution—high image quality over the life of the printer

**High-efficiency curing**  
Instant dry—prints are completely dry immediately after printing

**Automatic maintenance**  
Automatic drop detection and nozzle replacement

**Printer status beacon**  
At-a-glance monitoring on a busy production floor

**Internal print server**  
Efficiently prepare and monitor the job queue

**Roll-to-freefall kit (optional)<sup>15</sup>**  
Enables the first copies in a long run to be cut and moved to finishing, while still printing the rest

**Ink collector kit (optional)<sup>15</sup>**  
Print on porous substrates such as mesh banner and porous textiles

**Dual roll kit (optional)**  
Double throughput and increase unattendedness when working with self-adhesive vinyl and other rolls up to 1.6 m (63 in)

**Double-sided day night kit (optional)**  
Easily produce double-sided backlit applications for color-accurate outdoor advertising displays in any light—front or backlit

**Media saver**  
Preserve media during the loading process and help save money



HP Latex 1500 Printer



HP Latex Technology

## Technical specifications

|                                 |   |  |
|---------------------------------|---|--|
| <b>Printing</b>                 | Printing modes  | 16 m <sup>2</sup> /hr (170 ft <sup>2</sup> /hr) - High Saturation Backlits (18-pass 6-color 260%)<br>24 m <sup>2</sup> /hr (260 ft <sup>2</sup> /hr) - Textiles and Canvas (12-pass 6-color 170%)<br>45 m <sup>2</sup> /hr (480 ft <sup>2</sup> /hr) - Indoor High Quality (6-pass 6-color 100% / 6-pass 6-color 120%)<br>57 m <sup>2</sup> /hr (610 ft <sup>2</sup> /hr) - Outdoor Plus (4-pass 6-color 100%)<br>74 m <sup>2</sup> /hr (800 ft <sup>2</sup> /hr) - Outdoor (3-pass 6-color 90%) |
|                                 | Print resolution  | Up to 1200 x 1200 dpi  |
|                                 | Ink cartridges  | Black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimizer  |
|                                 | Cartridge size  | 5 liter  |
|                                 | Color consistency   | Maximum color difference (95% of colors) <= 2 dE2000 <sup>16</sup>   |
|                                 | <b>Media</b>  | Handling   |
| Media types                     |   | Banners, self-adhesive vinyls, films, papers, wallcoverings, canvas; mesh and porous textiles with optional ink collector <sup>17</sup>  |
| Roll size                       |   | Single roll up to 3.2 m (126 in)<br>Optional dual roll up to 2 x 1.60 m (2 x 63 in)  |
| Roll weight                     |   | Single roll up to 160 kg (350 lb)<br>Optional dual roll up to 2 x 70 kg (2 x 155 lb)   |
| Roll diameter                   |   | Up to 30 cm (11.8 in)  |
| Thickness                       |   | Up to 0.4 mm (0.015 in), by default<br>Up to 2.0 mm (0.08 in), with custom carriage height setting   |
| Double-sided blackout           |   | Registration accuracy 5 mm/m (0.06 in/ft), intended for double-sided PVC blackout banners  |
| Double-sided backlit (optional) |   | Registration accuracy of 2 mm (0.08 in), <sup>18</sup> intended for double-sided backlit outdoor advertising applications  |
| <b>Dimensions (w x d x h)</b>   |   | Printer: 574 x 138 x 167 cm (228 x 54 x 66 in)<br>Shipping: 586 x 181 x 191 cm (231 x 71 x 75 in)  |
| <b>Weight</b>                   | Printer: 1220 kg (2690 lb); shipping 2000 kg (4410 lb)  |  |
| <b>What's in the box</b>        | HP Latex 1500 Printer; HP 881 Latex Printheads; HP 871 Latex Printhead Cleaning Kit; 126-in spindles (x2); HP Internal Print Server; documentation software; user manual; media edge holders (x4); Original HP sample media; cleaning supplies; pneumatic gun |  |
| <b>Environmental ranges</b>     | Standard operating conditions:  | Temperature: 15 to 30°C (59 to 86°F)<br>Humidity: 20 to 70% RH (non-condensing)  |
|                                 | Optimal IQ operating conditions:  | Temperature: 20 to 25°C (68 to 77°F)<br>Humidity: 30 to 60% RH (non-condensing)  |
|                                 | <b>Power consumption</b>  | 8 kW (typical) - Indoor High Quality mode (6-pass)<br>10 kW (typical) - Outdoor mode (3-pass)  |
| <b>Certification</b>            | Safety  | IEC 60950-1+A1+A2 compliant; United States and Canada (CSA listed); EU (LVD and MD compliant, EN60950-1, EN12100-1, EN60204-1, and EN1010); Russia, Belarus and Kazakhstan (EAC); Australia, New Zealand (RCM)   |
|                                 | Electromagnetic   | Compliant with Class A requirements, including USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM)   |
|                                 | Environmental   | WEEE, EU RoHS, China RoHS, REACH, CE marking compliant   |
| <b>Warranty</b>                 | One-year limited hardware warranty  |  |



## Ordering information

|  |  |  |   |
|--|--|--|---|
| <b>Product</b>   | K4T88A   | HP Latex 1500 Printer  |   |
| <b>Accessories</b>   | T0F91A   | HP Latex 1500 Dual Roll Kit  |   |
|  | M2J33A   | HP Latex In-line Slitters  |   |
|  | P4P91A   | HP Latex 1500 Double-sided Day Night Kit   |   |
|  | Z3R57A   | HP Latex 1500 Day Night Edge Holder Kit  |   |
|  | Z3R58A   | HP Latex 1500 Day Night Protector Media  |   |
|  | W3U61A   | HP Latex 1500 Roll-to-freefall Kit <sup>17</sup>   |   |
|  | P4P92A   | HP Latex 1500 Ink Collector Kit <sup>17</sup>  |   |
|  | T0F92A   | HP Latex 1500 Ink Collector Foams Kit <sup>17</sup>  |   |
|  | T4E58A   | HP Latex 1500 Media Saver Kit  |   |
|  | V8A82A   | HP Latex 1500 Edge Holder Kit  |   |
|  | D9Z41A   | HP Scitex Onyx Thrive 211 RIP Software   |   |
|  | L5E74A   | HP Scitex Caldera Grand RIP v10 Software   |   |
|  | <b>Original HP printheads</b>                      | CR327A   | HP 881 Yellow/Magenta Latex Printhead           |
|  |  | CR328A   | HP 881 Cyan/Black Latex Printhead               |
|  |  | CR329A   | HP 881 Light Magenta/Light Cyan Latex Printhead |
| CR330A   |  | HP 881 Latex Optimizer Printhead   |   |
| <b>Original HP ink cartridges and maintenance supplies</b>   | CR331A   | HP 881 5-liter Cyan Latex Ink Cartridge  |   |
|  | CR332A   | HP 881 5-liter Magenta Latex Ink Cartridge   |   |
|  | CR333A   | HP 881 5-liter Yellow Latex Ink Cartridge  |   |
|  | CR334A   | HP 881 5-liter Black Latex Ink Cartridge   |   |
|  | CR335A   | HP 881 5-liter Light Cyan Latex Ink Cartridge  |   |
|  | CR336A   | HP 881 5-liter Light Magenta Latex Ink Cartridge   |   |
|  | CR337A   | HP 881 5-liter Latex Optimizer Cartridge   |   |
|  | G0Y99A   | HP 871 Latex Printhead Cleaning Kit  |   |
|  | <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>19</sup>  |   |
| HP Backlit Polyester Film  <sup>20</sup>   |  |  |   |
| HP PVC-free Durable Smooth Wall Paper REACH, <sup>19</sup> FSC <sup>®</sup> certified, <sup>21</sup> UL GREENGUARD GOLD Certified <sup>22</sup>                      |  |  |   |
| HP Premium Poster Paper  <sup>20</sup> FSC <sup>®</sup> certified <sup>21</sup> |  |  |   |
| For the entire HP Large Format Printing Materials portfolio, please see <a href="http://HPLFMedia.com">HPLFMedia.com</a> .   |  |  |   |
| <b>Service contracts</b>   | HA151AC  | HP Full Coverage Maintenance Support Contract  |   |
|  | HK965AC  | HP Shared Maintenance Hardware Support Contract  |   |
|  | HK707AC  | HP Parts and Remote Hardware Support Contract  |   |
| <b>Maintenance kits</b>  | WOR39A / K4T88-67259                               | HP Latex 1500 Printer Maintenance Kit  |   |
|  | K4T88-67260  | HP Latex 1500 Service Maintenance Kit  |   |
| <b>Uptime kits</b>   | VBL81A / K4T88-67256                               | HP Latex 1500 Basic Uptime Kit   |   |

<sup>16</sup> The color variation inside a printed job has been measured to be 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>17</sup> To be available after the introduction of the HP Latex 1500 Printer.

<sup>18</sup> Requires optional HP Double-sided Day Night Kit.

<sup>19</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>20</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>21</sup> BMG trademark license code FSC<sup>®</sup>-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC<sup>®</sup>-C017543, see [fsc.org](http://fsc.org). Not all FSC<sup>®</sup>-certified products are available in all regions.

<sup>22</sup> UL GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to 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).