

# HP Large Format Graphics Printers



Print your future

Spring 2014



Design studio



Copy shop



Sign shop



Print service provider

**Break the boundaries with HP large format graphics printing solutions**

Do more, offer more on every dimension from a wide range of applications to high image quality and quick turnarounds. Whether you need a solution to produce persuasive business graphics, a limited run of gallery-quality images, or sign and display production volumes—even the opportunity to address emerging applications like wall decoration or vehicle graphics—HP solutions deliver the image quality, speed, ease of use, and productivity that can help you move your business forward.

# Impressive results, from gallery-quality images to durable outdoor signage



## Line drawings, maps and orthophotos

See the big picture and everything in between.

Communicate clearly with excellent image and line quality on all your prints from drawings to satellite and aerial photos, maps, and more.

### Advantages of HP printing technologies

#### HP Designjet Z-series printing:

- Automated color calibration capabilities ensure color accuracy and consistency print-after-print
- Efficient workflow thanks to fast data processing
- Excellent line accuracy with true HP-GL/2



## Renders, posters, and presentations

Print big, so even the smallest details get noticed.

Print large-format images, drawings, schematics, renders, and presentations with great ease, speed, clear and vibrant quality, and low running costs.

### Advantages of HP printing technologies

#### HP Designjet Z-series printing:

- Fast turnaround times without trading off quality
- Excellent media versatility enables printing a wide range of applications
- Vibrant colors and deep blacks with HP Vivid inks



## Professional photography and fine art

Exhibit the fine art of printing.

Produce dazzling fine art reproductions for galleries and artists with high-quality digital printing. Long lifespan and fade resistance keep prints in top viewing condition on a range of printing materials from canvas to fine art papers.

### Advantages of HP printing technologies

#### HP Designjet Z-series printing:

- Up to 12 Original HP Photo Inks deliver gallery-quality black-and-white and color prints<sup>1</sup>
- Wide color gamut with 95% PANTONE® coverage enabled by HP chromatic red ink
- High-impact, durable prints that last up to 200 years<sup>2</sup>



## Retail POP/POS

Tailor your message to customers in each and every store.

Deliver fresh, relevant large-format promos and displays on demand. Create appealing advertising posters and displays that can influence shoppers' decisions. High-quality printing, even on low-cost offset papers, on a wide variety of media can help you gain a competitive edge.

### Advantages of HP printing technologies

#### HP Designjet Z-series printing:

- Printing speeds up to 140 m<sup>2</sup>/hr (1500 ft<sup>2</sup>/hr)<sup>1</sup>
- Low cost per print thanks to efficient ink-systems

#### HP Latex printing:

- Eliminate drying time—prints are fully dried inside the printer, ready to be installed
- Print on lower cost uncoated papers and reduce your media costs

#### HP Scitex printing:

- Create hundreds of different unique retail applications such as FSDU, window and floor graphics, posters, displays, and standees



## Exhibitions and events

Make a big event out of every event.

Grab attention at exhibitions and events with eye-catching graphics. Print on a variety of media including textiles, plastic, glass, foam boards, and acrylics for indoor and outdoor use.

### Advantages of HP printing technologies

#### HP Designjet Z-series printing:

- Automated color calibration capabilities ensure color accuracy and consistency print-after-print
- Low cost per print thanks to efficient ink-systems

#### HP Latex printing:

- Eliminate drying time—prints are fully dried inside the printer
- Print on lower cost uncoated polyester films, with excellent image sharpness

#### HP Scitex printing:

- Print on honeycomb board and offer personalized furniture for event applications such as double-sided banners, truss structures, rigid and flexible backdrops, and more



## Outdoor signage

Communicate important information clearly and effectively.

Long-term weather resistance and heavy-duty materials like metal, plastic, and phosphorus stand up to outdoor conditions. Produce signs in all shapes and sizes, on a broad range of flexible and rigid materials.

### Advantages of HP printing technologies

#### HP Latex printing:

- Outdoor prints achieve display permanence up to three years unlaminated, up to five years laminated<sup>3</sup>

#### HP Scitex printing:

- HP UV-curable ink technology, ideal for outdoor applications such as real estate and directional signs and billboards
- Display permanence of 2 to 3 years without lamination on a wide range of materials<sup>4</sup>



## Outdoor advertising

Stop passers-by and boost visibility for your customers.

Big, bold building covers and banners command attention. Fade-resistant outdoor images stay crisp. Alternatives to PVC banners offer more environmentally friendly alternatives. Distinguish your business in a very competitive market.

### Advantages of HP printing technologies

#### HP Latex printing:

- HP Latex Inks and alternatives to PVC provide a solution that helps reduce the impact of printing on the environment
- Outdoor prints achieve display permanence up to three years unlaminated, up to five years laminated<sup>3</sup>



## Vehicle graphics

Stand up to the demands of the road.

Advertise to audiences with vehicle wraps, magnetic signs, fleet graphics, and truck curtains. Specialized media, ink, mounting, and adhesives are weather, light, and scratch resistant. HP Latex Printing Technologies enable you to print, laminate, and wrap all in one day.

### Advantages of HP printing technologies

#### HP Latex printing:

- Save 24 to 48 hours in drying time with instant lamination
- HP Latex Inks enable easy application, better long-term adhesion
- Cut vehicle graphics installation time—prints are easy to handle, apply and provide excellent flexibility and conformability
- Offer vehicle graphics backed by the 3M™ MCS™ Warranty<sup>5</sup>



## Decoration

Dive into the trendy market of decoration.

Personalize furniture, walls, and floors for your customers with unique designs. Print easy-to-apply decorative materials, such as wallpaper and textiles, HP Latex Inks and media that are ideal for sensitive indoor environments.

### Advantages of HP printing technologies

#### HP Latex printing:

- HP Latex Ink prints are odorless even immediately after printing, ideal for residential, office, hospitality, healthcare, or other environments with similar needs
- HP Latex Inks have achieved UL ECOLOGO®<sup>6</sup> and GREENGUARD GOLD Certification;<sup>7</sup> wall decorations printed with HP Latex Inks and HP PVC-free Wall Paper meet AgBB criteria for health-related evaluation of VOC emissions of indoor building products<sup>8</sup> and are rated A+ according to Émissions dans l'air intérieur.<sup>9</sup>

#### HP Scitex printing:

- Print an endless range of high-value applications such as doors, mirrors, stunning textured foam board pictures, or even eye-catching metallized<sup>10</sup> wallcoverings

#### HP WallArt Solution

- Create your own personalized wallcoverings with the easy-to-use, cloud-based<sup>11</sup> HP WallArt Solution. To sign up for free, visit [hpwallart.com](http://hpwallart.com)

# The best choices for your application range

HP offers the a wide range of printers for the graphics industry. The printer selection recommendations below are based on a combination of criteria including quality, versatility, speed, and cost per copy.

| Substrate  |  | HP Designjet Z-series printers<br>indoor use | HP Latex printers<br>indoor/outdoor use |
|--|--|--|---|
| <b>CAD &amp; GIS</b>   | Paper                                  | ●  |   |
| <b>Color proof / prepress</b>                                    |  | ●  |   |
| <b>Photography</b>   | Photo papers                           | ●  |   |
| <b>Fine art</b>  | Canvas                                 | ●  |   |
|  | Special coated substrates              | ●  |   |
| <b>POP/POS retail<br/>Exhibition &amp; events</b>                | Coated paper                           | ●  | ●                                       |
|  | Film for backlit (PET, PP...)          | ●  | ●                                       |
|  | Uncoated paper                         |  | ●                                       |
|  | Self-adhesive vinyl                    |  | ●                                       |
|  | PVC banner                             |  | ●                                       |
|  | Textiles (polyester, cotton...)        |  | ●                                       |
| <b>Wallcovering<br/>decoration (proofing<br/>and production)</b> | Canvas, wallpaper, stickers & decals   |  | ●                                       |
| <b>Vehicle graphics</b>  | Self-adhesive vinyl (cast, calendered) |  | ●                                       |
| <b>Outdoor advertising</b>                                       | Self-adhesive vinyl, PVC banner...     |  | ●                                       |

● Recommended    ● Also supported for



Line drawings  
Maps and  
Orthophotos



Renders,  
Posters and  
Presentations



Professional  
Photography



Digital Fine  
Art



Retail POP/  
POS



Exhibition/  
Events  
graphics



Outdoor  
signage



Outdoor  
advertising



Vehicle  
Graphics



Decoration



HP Designjet  
Z-series printers



HP Latex printers

# A wide range of leading technologies

Original HP inks are formulated specifically for HP Latex and HP Designjet printers. HP printheads, inks, and printers are designed together to provide high-performance, reliable printing systems—and consistently great results.

## HP Designjet Z-series printers

### Excellence—the new standard

When printing graphics, print service providers (PSPs) need to be able to produce outstanding images for a variety of applications. Affordable and easy-to-use HP Designjet Z-series printers offer reliable printing technology that delivers top-quality graphics on demand. Use a broad spectrum of precise colors to create outstanding color images and impressive black-and-white graphics—with smooth transitions between tones. Rely on Original HP inks to deliver durable, long-lasting prints. HP Designjet Z-series printers quickly process large files in many formats and operate efficiently to cut turnaround times—helping increase your productivity and meet customer needs.

### High-productivity for high-demand environments

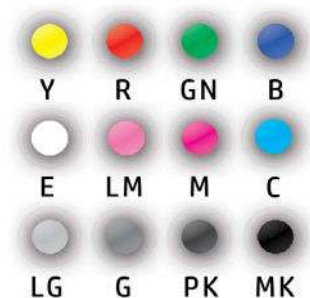
- Turn around orders in record time with print speeds up to 140 m<sup>2</sup>/hr (1500 ft<sup>2</sup>/hr)<sup>12</sup>
- Print at top speeds and still see high-quality results with HP Double Swath Technology and the HP Optical Media Advance Sensor (OMAS)
- Gain time—you can handle all your prints immediately using fast-drying Original HP Vivid Photo and HP Photo Inks
- Optimize performance and ink usage—automatic servicing routines help prevent nozzle clogging, media waste

### Outstanding image quality on a wide range of applications

- Produce in-house posters, photos, canvases, backlit prints, indoor signs, POS posters, line drawings, and maps
- Create unique black-and-white prints—three shades of black HP inks produce outstanding optical density and smooth transitions<sup>13</sup>
- Offer exceptional colors—HP Vivid Photo Inks include chromatic red for a wide color gamut and uniform<sup>14</sup> gloss
- Provide extraordinary display permanence—durable prints last up to 200 years<sup>2</sup>

### Advanced color management backed by HP reliability

- See reliable results with HP Professional PANTONE® color emulation and Adobe PostScript®/PDF kit<sup>15</sup>
- Generate custom ICC profiles and achieve color accuracy, consistency with the embedded spectrophotometer<sup>16</sup>
- Boost color accuracy—complete coverage of SWOP, ISO, GRACOL, 3DAP, EUROSCALE, TOYO, and FOGRA<sup>17</sup> gamut
- Streamline production with an HP Embedded Web Server and print previews, which help eliminate trial and error<sup>18</sup>



# Help me choose my HP Designjet Printer

## HP Designjet Z-series Printers



|  | <b>HP Designjet Z6800<br/>Photo Production<br/>Printer</b>   | <b>HP Designjet Z6600<br/>Production Printer</b>   | <b>HP Designjet Z6200<br/>Photo Production<br/>Printer</b>  | <b>HP Designjet Z5400<br/>PostScript ePrinter</b>  | <b>HP Designjet Z5200<br/>Photo Printer</b>  | <b>HP Designjet Z3200<br/>Photo Printer series</b>                           | <b>HP Designjet Z2100<br/>Photo Printer series</b>   |
|--|--|--|---|--|--|--|--|
| <b>Customer type</b>   | Copy Shops, Print Service Providers and Photo Labs   | Copy Shops, Print Service Providers  | Copy Shops, Print Service Providers, and Photo Labs   | Copy Shops   | Copy Shops   | Photo Labs, Professional Photographers, and Graphic Designers                | Photo Labs, Professional Photographers, and Graphic Designers  |
| <b>Product description</b>   | Fastest 60-in graphics production printer with unrivaled print quality <sup>19</sup>   | The fastest 60-in graphics production printer with efficient operation <sup>19</sup>   | Fastest 42-in graphics production printer with unrivaled print quality  | The first multi-roll ePrinter for graphics to produce high-quality, long-lasting prints efficiently                  | Professional 8-ink PostScript printer designed for outstanding graphic applications                                  | The most advanced 12-ink printer for gallery-quality prints                  | HP's affordable 8-ink printer to produce durable prints  |
| <b>Media handling - input</b>  | Roll feed  | Roll feed  | Roll feed   | Two automatic roll feeds, smart roll switching, sheet feed   | Sheet feed, roll feed  | Sheet feed, roll feed  | Sheet feed, roll feed  |
| <b>Media handling - output</b>   | Automatic cutter, take-up reel   | Automatic cutter, take-up reel   | Automatic cutter, media bin, take-up reel   | Media bin, automatic cutter  | Media bin, automatic cutter  | Media bin, automatic cutter  | Media bin, automatic cutter  |
| <b>Media types</b>   | Bond and coated paper, technical paper film, photographic paper, proofing paper, backlit, self-adhesive, banner and sign, fabric, fine art printing material | Bond and coated paper, technical paper film, photographic paper, proofing paper, backlit, self-adhesive, banner and sign, fabric, fine art printing material | Bond and coated paper, technical paper, film, photographic paper, proofing paper, backlit; self-adhesive, banner and sign, canvas, fine art printing material | Photographic, proofing, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit, canvas | Photographic, proofing, fine art printing material, self-adhesive, banner and sign, bond and coated, backlit, canvas | Photographic paper, fine art, coated, and display-graphic printing materials | Photographic paper, proofing paper, fine art printing material, self-adhesive, sign and banner, backlit, bond and coated |
| <b>Maximum roll width</b>  | 1524 mm (60-in)  | 1524 mm (60-in)  | 1067 mm (42-in)   | 1118 mm (44-in)  | 1118 mm (44-in)  | 610 mm (24-in)<br>1118 mm (44-in)  | 610 mm (24-in)<br>1118 mm (44-in) <sup>20</sup>  |
| <b>Max. Print Speed</b>  | 140 m <sup>2</sup> /hr (1500 ft <sup>2</sup> /hr)  | 140 m <sup>2</sup> /hr (1500 ft <sup>2</sup> /hr)  | 140 m <sup>2</sup> /hr (1500 ft <sup>2</sup> /hr)   | 53 m <sup>2</sup> /hr (570 ft <sup>2</sup> /hr)  | 41 m <sup>2</sup> /hr (445 ft <sup>2</sup> /hr)  | 17 m <sup>2</sup> /hr (182.9 ft <sup>2</sup> /hr)                            | 14 m <sup>2</sup> /hr (150 ft <sup>2</sup> /hr)  |
| <b>Print resolution</b>  | Up to 2400 x 1200 dpi  | Up to 2400 x 1200 dpi  | Up to 2400 x 1200 dpi   | Up to 2400 x 1200 dpi  | Up to 2400 x 1200 dpi  | Up to 2400 x 1200 dpi  | Up to 2400 x 1200 dpi  |
| <b>Inks</b>  | Original HP Vivid Photo Inks   | Original HP Vivid Photo Inks   | Original HP Vivid Photo Inks  | Original HP Photo Inks   | Original HP Photo Inks   | Original HP Photo Inks   | Original HP Photo Inks   |
| <b>Ink cartridges</b>  | 8 (mk, R, M, Y, lm, C, pk, lg)   | 6 (M, Y, pk, lg, mk, C)  | 8 (mk, R, M, Y, lm, lc, pk, lg)   | 6 (M, Y, pk, lg, mk, C)  | 8 (M, Y, lm, lc, pk, lg, mK, C)  | 12 (M, Y, pk, lg, mk, R, lm, lc, G, GN, Gloss Enhancer (E))                  | 8 (mk, pk, lg, C, M, Y, lm, lc)  |
| <b>Embedded Adobe PostScript®/PDF®</b>   | optional   | optional   | optional  | ✓  | ✓  | ✓  | —  |
| <b>HP Professional Pantone Emulation</b>   | ✓  | ✓  | ✓   | ✓  | ✓  | ✓  | ✓  |
| <b>HP Instant Printing Pro</b>   | —  | —  | —   | ✓  | ✓  | —  | —  |
| <b>Memory</b>  | 320 GB hard disk   | 320 GB hard disk   | 160 GB hard disk  | 320 GB hard disk   | 160 GB hard disk   | 80 GB hard disk  | 80 GB hard disk  |
| <b>Embedded Spectrophotometer</b>  |  |  |   |  |  |  |  |
| HP Embedded Spectrophotometer including closed-color calibration for the right color each and every time | ✓  | —  | ✓   | —  | ✓  | ✓  | ✓  |
| <b>Optical Media Advanced Sensor (OMAS)</b>  |  |  |   |  |  |  |  |
| Allows you to print at top speeds and still get great output results                                     | ✓  | ✓  | ✓   | —  | —  | —  | —  |

## HP Latex Printing Technologies

### HP Latex. The unfair advantage

HP Latex Inks combine the best characteristics of solvent inks, UV-curable inks, and water-based inks. Water-based HP Latex Inks together with HP Thermal Inkjet printheads offer a unique combination for wide format-printing—you can obtain outdoor durability and versatility across common media types used in sign and display applications, together with high quality, odorless prints, low maintenance, and the environmental advantages of water-based inks. Prints made with HP Latex Inks are completely cured inside the printer to form a durable image that's ready for immediate finishing and delivery.

### Produce high-quality images on a versatile range of media

- High-quality results with 6 colors and 1200 dpi resolution
- Versatility across a wide range of coated and uncoated media types
- Smooth, flexible ink layer conforms to complex surfaces
- Outdoor prints last up to three years unlaminated, up to five years laminated<sup>3</sup>
- User-replaceable HP printheads maintain image quality over the life of the printer

### Experience productivity made easy

- Scalable printhead technology enables a range of products with speeds ideal for low- to mid-volume printing
- Shorten time to delivery—prints come out completely dry, laminate immediately
- Reduce maintenance with water-based inks:
  - no daily manual cleaning required
  - turn off printers overnight, weekends, or longer

### HP Latex printing is healthier printing<sup>21</sup>

HP Latex printing can transform your day-to-day operating environment. With water-based HP Latex Inks, you can:

- Simplify regulatory compliance
- Create a safer,<sup>22</sup> healthier workplace<sup>21</sup>
- Reduce shipping, storage, and disposal issues

HP Latex Inks provide many advantages over solvent and UV-curable inks:

- No special ventilation is required<sup>23</sup>
- HP Latex Inks are non-flammable and non-combustible,<sup>22</sup> nickel free<sup>24</sup>
- No hazard warning labels or Hazardous Air Pollutants (HAPs)<sup>25</sup>
- Reach new indoor display environments like hospitality, healthcare—odorless prints go where solvent and UV can't

In addition, prints produced with HP Latex Inks can help you qualify for—and win—projects that demand compliance to strict standards, addressing:

- Air quality
- Sustainable sourcing
- Green building programs



# Help me choose my HP Latex Printer





All HP Latex printers provide the same benefits of high image quality, versatility across a wide range of applications and media types, plus healthier printing with HP Latex Inks.<sup>21</sup>

Selecting the right one for your business is primarily based on your Average Monthly Print Volume (AMPV). Consider your AMPV today, as well as how you foresee volumes growing over the next few years.




Also take into account the maximum width of prints you want to produce, as well as the specific media handling capabilities of each printing system.

HP's third-generation HP Latex printers feature new HP 831 and HP 881 Latex Inks—with all the benefits of HP Latex Inks, plus scratch resistance comparable to hard-solvent inks on self-adhesive vinyl and PVC banner.<sup>26</sup>

## HP Latex Printers—third generation

| Low-volume HP Latex printers   |  |   |  | Mid-volume HP Latex printers   |
|--|--|---|--|--|
|    |  |   |  |   |
|  | HP Latex 310 Printer   | HP Latex 330 Printer  | HP Latex 360 Printer   | HP Latex 3000 Printer  |
| <b>Description</b>   | A perfect fit for small spaces, this affordable printer frees up workspace and your operator.                  | Gain versatility and enjoy convenient printing of indoor and outdoor jobs with this affordable printer. | Produce high quality for indoors and out at production speeds ideal for handling urgent jobs.  | Achieve Industrial productivity and operational efficiency.  |
| <b>Media handling</b>  | <ul style="list-style-type: none"> <li>Roll-to-free fall</li> <li>Take-up reel – optional accessory</li> </ul> | <ul style="list-style-type: none"> <li>Roll-to-free fall</li> <li>Take-up reel</li> </ul>               | <ul style="list-style-type: none"> <li>Roll-to-free fall</li> <li>Take-up reel</li> <li>Double-sided printing<sup>27</sup></li> <li>Ink collector</li> </ul> | <ul style="list-style-type: none"> <li>Roll-to-roll</li> <li>Roll-to-free fall</li> <li>Dual roll</li> <li>Double-sided printing<sup>27</sup></li> <li>Ink collector – optional accessory</li> </ul> |
| <b>HP Latex Inks</b>   | HP 831 Latex Inks<br>775-ml cartridges   | HP 831 Latex Inks<br>775-ml cartridges  | HP 831 Latex Inks<br>775-ml cartridges   | HP 881 Latex Inks<br>5-liter cartridges  |
| <b>Maximum media width</b>   | 137.1 cm (54 in)   | 162.5 cm (64 in)  | 162.5 cm (64 in)   | 320 cm (126 in)  |
| <b>Maximum media loading</b>   | 25 kg (55 lb)  | 42 kg (92.6 lb)   | 42 kg (92.6 lb)  | 160 kg (350 lb)  |
| <b>Speed—maximum</b>   | 48 m <sup>2</sup> /hr (517 ft <sup>2</sup> /hr)  | 50 m <sup>2</sup> /hr (538 ft <sup>2</sup> /hr)   | 91 m <sup>2</sup> /hr (980 ft <sup>2</sup> /hr)  | 180 m <sup>2</sup> /hr (1950 ft <sup>2</sup> /hr)  |
| <b>Speed—indoor high quality</b>   | 10 m <sup>2</sup> /hr (108 ft <sup>2</sup> /hr)  | 10 m <sup>2</sup> /hr (108 ft <sup>2</sup> /hr)   | 14 m <sup>2</sup> /hr (151 ft <sup>2</sup> /hr)  | 77 m <sup>2</sup> /hr (830 ft <sup>2</sup> /hr)  |
| <b>Average Monthly Print Volume (AMPV)</b>   | 500 m <sup>2</sup> /month<br>5,000 ft <sup>2</sup> /month  | 500 m <sup>2</sup> /month<br>5,000 ft <sup>2</sup> /month   | 800 m <sup>2</sup> /month<br>8,000 ft <sup>2</sup> /month  | 5000 m <sup>2</sup> /month<br>50,000 ft <sup>2</sup> /month  |

## HP Latex Printers—second generation

| Low-volume HP Latex printers  |   | Mid-volume HP Latex printers  |   |
|---|---|---|---|
|  |   |   |   |
|   | HP Latex 280 Printer  | HP Latex 820 Printer  | HP Latex 850 Printer  |
| <b>Description</b>  | Easy, productive printing; ideal width for wide banners and textiles. <sup>28</sup>   | Fully-featured mid-volume roll-to-roll printer.   | Fully-featured mid-volume roll-to-roll printer offering multiple workflow features.   |
| <b>Media handling</b>   | <ul style="list-style-type: none"> <li>Roll-to-free fall</li> <li>Take-up reel</li> <li>Double-sided printing<sup>27</sup></li> </ul> | <ul style="list-style-type: none"> <li>Roll-to-roll</li> <li>Double-sided printing<sup>27</sup></li> </ul>  | <ul style="list-style-type: none"> <li>Roll-to-roll</li> <li>Roll-to-free fall</li> <li>Dual roll</li> <li>Double-sided printing<sup>27</sup></li> <li>Ink collector</li> </ul> |
| <b>HP Latex Inks</b>  | HP 792 Latex Inks<br>775-ml cartridges  | HP LX610 Latex Inks<br>3-liter cartridges   | HP LX610 Latex Inks<br>3-liter cartridges   |
| <b>Maximum media width</b>  | 264 cm (104 in)   | 320 cm (126 in)   | 320 cm (126 in)   |
| <b>Maximum media loading</b>  | 100 kg (220 lb)   | 130 kg (286 lb)   | 130 kg (286 lb)   |
| <b>Speed—indoor high quality</b>  | 14.7 m <sup>2</sup> /hr (158 ft <sup>2</sup> /hr)   | 45 m <sup>2</sup> /hr (484 ft <sup>2</sup> /hr)   | 45 m <sup>2</sup> /hr (484 ft <sup>2</sup> /hr)   |
| <b>Average Monthly Print Volume (AMPV)</b>  | 650 m <sup>2</sup> /month<br>6,500 ft <sup>2</sup> /month   | 3000 m <sup>2</sup> /month<br>30,000 ft <sup>2</sup> /month   | 3000 m <sup>2</sup> /month<br>30,000 ft <sup>2</sup> /month   |

## HP Scitex printers

### The art of no compromise

Versatile, reliable HP Scitex industrial printing systems enable high productivity with less effort and waste, provide scalability and modularity to protect your investment as your business grows, and deliver the image quality you need on virtually any rigid and flexible media<sup>29</sup> across a wide range of applications. Now you can experience industrial printing at its best with both high productivity and high quality.<sup>1</sup>

### Speed up your turnaround times

- Print fast, produce high volumes, and increase your capacity—load, print, and collect media simultaneously
- High productivity on plastics and corrugated media creates new opportunities to expand your business

### Attract more customers and print a wider variety of jobs

- Original HP Scitex inks adhere to a wide range of flexible and rigid sheets
- Target new applications with quality results on virtually any rigid and flexible media<sup>29</sup>—even on corrugated plastics with good ink adhesion
- Say yes to just about any request—even when asked to print on thick, heavy, and long<sup>30</sup> materials

### Achieve peace of mind with increased uptime

- Reliably produce high-quality results with automated calibrations and color consistency
- Designed to maximize uptime and reliability in 24/7 production environments
- Scalable, modular, and upgradeable platforms enable flexibility and growth
- HP Scitex Print Care helps you anticipate technical issues before they cause downtime
- HP makes the research and development and training investment to help you succeed, with solutions backed by world-class service, support, and training organizations



### HP Scitex Printers



**HP Scitex FB500 Printer**



**HP Scitex FB700 Printer**

| Description                | Speed up turnaround on rigid, flexible media          | Boost productivity on rigid and flexible media        |
|----------------------------|---|---|
| Ink type                   | HP UV-curable, pigment-based ink                      | HP UV-curable, pigment-based ink                      |
| Ink cartridges             | Up to 6 (C, M, Y, K, Lc, Lm, white (optional))        | Up to 6 (C, M, Y, K, Lc, Lm, white (optional))        |
| Ink cartridges sizes       | 3 liter (C, M, Y, K, Lc, Lm) / 2 liter (white)        | 3 liter (C, M, Y, K, Lc, Lm) / 2 liter (white)        |
| Print resolution           | Up to 1200 x 600 dpi                                  | Up to 1200 x 600 dpi                                  |
| Max. Roll width (optional) | Up to 1.83-m (64-in)                                  | Up to 2.5-m (98-in)                                   |
| Max. Print speed           | Up to 37 m <sup>2</sup> /hr (398 ft <sup>2</sup> /hr) | Up to 80 m <sup>2</sup> /hr (861 ft <sup>2</sup> /hr) |

# Exceptional media versatility



There are plenty of media to choose from. The time that it takes to research, test, and tune a substrate for a specific application can make all the difference. Now, it's easier than ever to easily find the breadth of compatible substrates needed for any print job, from optimized HP media engineered with ColorPRO Technology to certified substrates from a wide range of media suppliers.

Certified for  
HP Latex Inks

Look for the "Certified for HP Latex Inks" icon to choose among certified substrates from a wide range of media suppliers.



For color excellence in digital printing, look for products with the ColorPRO Technology logo.

| HP Media Solutions Locator -- Number of records found : 2181 |                              |                  |               |                |                 |                   |                  |           |        |  |
|--|------------------------------|------------------|---------------|----------------|-----------------|-------------------|------------------|-----------|--------|--|
| Select Imperial Units  |                              |                  |               |                |                 |                   |                  |           |        |  |
|  | Media Name                   | Supplier         | Type          | Grade          | Applications    | Compatible Models | Region           | Classi... | Weight |  |
|  | DGCAL Gloss White Paper      | Filmtex          | Paper         | Coated for wat | POP/POS; Pos    | HP Latex 260 /    | North America;   |           |        |  |
|  | MPI 3000/MPI 3001            | Avery Graphics   | Self adhesive | Calendered vin | Posters; Vehicl | HP Designjet L    | Asia Pacific Jaj |           |        |  |
|  | MPI 2922/MPI 2923/MPI 2923 E | Avery Graphics   | Self adhesive | Calendered vin | POP/POS; Soft   | HP Designjet L    | Latin America;   |           |        |  |
|  | Flag Superb 350NLFrx16A12F   | Aurich Textilien | Textile       | Flag           | POP/POS; Pos    | HP Latex 850 /    | Europe Middle    |           |        |  |
|  | ARDigital Papel Autoadhesivo | ARCLAD           | Self adhesive | Calendered vin | Vehicle wraps;  | HP Latex 260 /    | Latin America;   |           |        |  |
|  | SYNAPS OM135                 | AGFA             | Film          | PET            | POP/POS; Out    | HP Latex 260 /    | North America;   |           |        |  |
|  | GF 9049 EZ Stretch           | Fisher Textiles  | Textile       | Polyester      | Soft signage; D | HP Latex 260 /    | North America;   |           | 283gsm |  |
|  | GF 5351 Waterfall            | Fisher Textiles  | Textile       | Polyester      | Soft signage; L | HP Designjet L    | Asia Pacific Jaj |           | 252gsm |  |
|  | GF 4480 Heavy Knit           | Fisher Textiles  | Textile       | Polyester      | Soft signage; D | HP Scitex LX80    | Asia Pacific Jaj |           | 320gsm |  |
|  | Textile Generic              | Generic Profile  | Textile       | Polyester      | POP/POS; Out    | HP Latex 260 /    | Latin America;   |           |        |  |
|  | Self-Adhesive Vinyl Generic  | Generic Profile  | Self adhesive | Calendered vin | Posters; POP/F  | HP Latex 260 /    | Europe Middle    |           |        |  |
|  | Paper Solvent Generic        | Generic Profile  | Paper         | Coated for wat | Light boxes; PC | HP Latex 260 /    | Latin America;   |           |        |  |
|  | Paper Aqueous Generic        | Generic Profile  | Paper         | Coated for wat | Posters; POP/F  | HP Latex 260 /    | Asia Pacific Jaj |           |        |  |
|  | Mesh Generic                 | Generic Profile  | Banner        | Mesh           | POP/POS; Pos    | HP Latex 260 /    | Latin America;   |           |        |  |
|  | Low Temp Substrate Generic   | Generic Profile  | Paper         | Coated for wat | Pop-up/Roll-up  | HP Latex 260 /    | Europe Middle    |           |        |  |

Find a comprehensive list of all latex compatible media with application-specific recommendations at [hp.com/go/mediasolutionslocator](http://hp.com/go/mediasolutionslocator).

For more detailed product and ordering information for HP large format graphics and technical printing materials and HP large format sign and display printing materials, see [globalBMG.com/hp](http://globalBMG.com/hp).

# A better environment, inside and out



## Designed with the environment in mind

HP large format graphics printing solutions are designed to help reduce the impact of printing on the environment.



Water-based HP Latex Inks can help you—and your customers—go green. HP Latex Printing Technologies have revolutionized the large format sign and display market, providing a compelling alternative to solvent and UV-curable ink technologies and demonstrating high environmental standards with a range of certifications.



HP Designjet Z-series photo printers using HP Vivid Photo and HP Photo include water-based inks designed to emit low levels of Volatile Organic Compounds (VOCs) and no dust emissions.

PRODUCT CERTIFIED  
FOR REDUCED  
ENVIRONMENTAL  
IMPACT. VIEW SPECIFIC  
ATTRIBUTES  
EVALUATED: UL.COM/EL  
UL 2801

In addition, all of our HP Designjet Z-series printers and the HP Latex 300 series printers are ENERGY STAR® qualified. HP Latex 300 series printers are also EPEAT Bronze registered<sup>31</sup> along with the HP Designjet Z6800 Photo Production Printer and the HP Designjet Z6600 Production Printer.



## Create a safer,<sup>22</sup> healthier<sup>21</sup> printing environment for your operators

HP Latex Inks can help you improve the work environment compared to solvent and UV-curable ink technologies. Water-based HP Latex Inks require no special ventilation.<sup>23</sup> The inks also do not require hazard warning labels and are non-flammable and non-combustible.<sup>22</sup> Furthermore, the inks contain no Hazardous Air Pollutants (HAPs).<sup>25</sup> All of this can help to create a better working environment for printing operations employees.

PRODUCT CERTIFIED  
FOR LOW CHEMICAL  
EMISSIONS:  
UL.COM/GG  
UL 2818

HP Latex Inks are UL ECOLOGO Certified<sup>6</sup> and GREENGUARD GOLD Certified.<sup>7</sup> In addition, HP 792 Latex Ink Cartridges are Eco Mark Certified.<sup>32</sup> Eco Mark-certified products, as compared to similar products, demonstrate relatively few environmental impacts through the entire life cycle from production to disposal.



Eco Mark Certification  
Number 11142004

This is an HP Indigo digital print.



The mark of responsible forestry



## Grow your business delivering prints that help your customers improve their environmental profile

To help you go after more business, we've done the work of qualifying for and securing the certifications and documentation that help you meet the requirements of environmentally conscious brand owners and their print buyers. Respond to RFP requirements with recognized certifications. HP Latex Inks are:

- UL ECOLOGO® Certified to meet a range of stringent human health criteria<sup>6</sup>
- GREENGUARD GOLD Certified to standards for low chemical emissions into indoor air<sup>7</sup>

In addition, prints produced with HP Latex Inks can help you qualify for—and win—projects that demand compliance to strict standards. For example, to win jobs in the rapidly expanding interior decoration segment, you can draw upon a wide range of environmental selling points unique to HP Latex printing. Prints produced with HP Latex Inks on HP PVC-free Wall Paper:

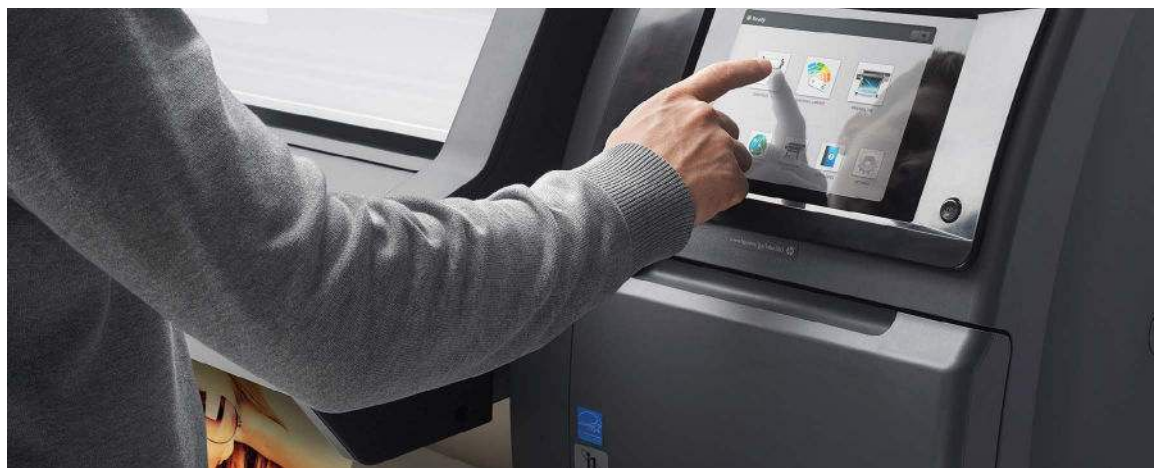
- Are GREENGUARD GOLD Certified to standards for low chemical emissions into indoor air<sup>7</sup>
- Meet AgBB criteria for health-related evaluation of VOC emissions of indoor building products<sup>8</sup>
- Are rated A+ per Émissions dans l'air intérieur on the level of emission of volatile substances in indoor air posing health risks if inhaled<sup>9</sup>
- Meet the Oeko-Tex® Standard 100 criteria, for products tested and certified from a human health perspective<sup>33</sup>
- HP PVC-free Wall Paper is FSC® certified<sup>34</sup>

## HP Designjet Z-series printers are compatible with a range of HP large format FSC®- and PEFC™- certified printing materials.<sup>34</sup>

FSC®-certified HP printing materials carry the Forest Stewardship Council (FSC) Mix label, signifying that these media support the development of responsible forest management worldwide. The PEFC™ label demonstrates that certified HP papers come from forests that are managed sustainably.

# Maximize your productivity with HP Services

With the industry's largest services organization, HP offers unique opportunities to enjoy end-to-end solutions and support. From the printers to software, workflows and third-party components, we can help you get the most from your graphics business environment.



|                                  |                                      |                         |                        |
|----------------------------------|--------------------------------------|-------------------------|------------------------|
| <b>Ramp-up</b>                   | <b>RIP - Onyx &amp; Caldera</b>      |                         |                        |
| <b>Partner engineer training</b> | <b>Preventive maintenance</b>        |                         |                        |
| <b>Operation L1 training</b>     | <b>Uptime &amp; maintenance kits</b> |                         |                        |
| <b>Installation</b>              | <b>HW &amp; SW support</b>           | <b>Color management</b> | <b>Recertification</b> |
|                                  |                                      |                         | <b>Relocation</b>      |

**Get started**



**Manage printing**



**Optimize production**



**Manage change**

*"I have just invested in an HP printer, and need to start printing as quickly as possible"*

*"I need a predictable business operation, and to reduce the risk of unplanned downtime"*

*"My printer runs well, but I need more productivity, and to reduce the total operating costs per print"*

*"My production needs have changed, and I need to reposition and get my printer ready for production"*

 Support services

 Training services

 Productivity services

 Customized services

## Our services portfolio includes:

- **Support programs** - Enable you to meet your uptime and productivity requirements, on-site and via advanced remote support tools:
  - HP Care Pack Services expand and extend standard warranties
  - HP Contractual Services are contract-based services, that can be customized to meet specific customer needs after warranty period
- **Productivity services** - Enhance your printing operations and are specially designed to make your business even more productive and profitable
- **Training services** - include a wide range of multi-lingual, web-based, and face-to-face classes to help reduce operation costs and improve workflow, color management, and business application opportunities
- **On-site Kits** - Provide common and simple replacement of parts:
  - Uptime Kits for increased uptime and predictable operations
  - Maintenance Kit Replacement Service for optimal image quality and printer reliability
- **Print Care** <sup>35</sup> - The industry-leading set of tools and services that provides fast, efficient assistance for effective, timely routine preventative maintenance, helping to optimize uptime between jobs and maintain peak productivity.

- <sup>1</sup> Performance and features vary by printer.
- <sup>2</sup> Display permanence rating for interior displays away from direct sunlight by HP Image Permanence Lab, and by Wilhelm Imaging Research, Inc. on a range of HP media. For more information, see [globalBMG.com/hp](http://globalBMG.com/hp).
- <sup>3</sup> 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 Overlamine, GBC clear gloss 1.7 mil hot laminate, or Neschen Solvoprint Performance Clear 80 laminate. Results may vary based on specific media performance.
- <sup>4</sup> According to ASTM D2565-99.
- <sup>5</sup> The 3M™ MCS™ Warranty is available to certified Graphics Manufacturers. For more information on registration and qualification requirements, refer to [3Mgraphics.com](http://3Mgraphics.com), or contact your 3M representative.
- <sup>6</sup> UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of stringent criteria related to human health and environmental considerations (see [ul.com/EL](http://ul.com/EL)).
- <sup>7</sup> 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).
- <sup>8</sup> HP PVC-free Wall Paper printed with HP Latex Inks meets AgBB criteria for health-related evaluation of VOC emissions of indoor building products (see [umweltbundesamt.de/themen/gesundheit/kommissionen-arbeitsgruppen/ausschuss-zur-gesundheitlichen-bewertung-von](http://umweltbundesamt.de/themen/gesundheit/kommissionen-arbeitsgruppen/ausschuss-zur-gesundheitlichen-bewertung-von)).
- <sup>9</sup> Émissions dans l'air intérieur provides a statement on the level of emission of volatile substances in indoor air posing health risks if inhaled—on a scale from A+ (very low emission) to C (high-emission).
- <sup>10</sup> Performance and features vary by printer. Metallized effects created with the Color-Logic plug-in. Requires a separate purchase of the HP Scitex FB500 White Ink Upgrade Kit.
- <sup>11</sup> HP WallArt Solution is free. Requires an HP WallArt account, Internet connection, and connected Internet-capable device. For more information, see [hpwallart.com](http://hpwallart.com).
- <sup>12</sup> On the HP Designjet Z6800 Photo Production Printer. Mechanical printing time. Printed in Fast mode with HP Vivid Photo Inks.
- <sup>13</sup> The HP Designjet Z3200 PostScript® Photo Printer series includes the Quad-black ink set.
- <sup>14</sup> HP chromatic red ink included in the HP Vivid Photo ink set for the HP Designjet Z6800 Photo Production Printer and HP Designjet Z6200 Photo Printer, and in the HP Photo Ink set for the HP Designjet Z3200 PostScript® Photo Printer series.
- <sup>15</sup> Features vary by printer. In some cases, HP Professional PANTONE® color emulation and Adobe PostScript®/PDF upgrade kit sold separately.
- <sup>16</sup> Not applicable to the HP Designjet Z5400 PostScript® ePrinter or the HP Designjet Z6600 Production Printer. The i1 spectrophotometer from X-Rite. Close collaboration between HP and X-Rite ensures a reliable solution that's been thoroughly tested to meet customer demands for ease, quality, and dependability.
- <sup>17</sup> Applicable to the HP Designjet Z6800 Photo Production Printer, HP Designjet Z6200 Photo Printer, the HP Designjet Z2100 Photo Printer series, and the HP Designjet Z3200 Photo Printer series.
- <sup>18</sup> Not available with the HP Designjet Z2100 Photo Printer series or the HP Designjet Z5200 PostScript® Printer.
- <sup>19</sup> Compared to large-format inkjet printers under \$25,000 for graphics applications. Based on the fastest rated color speeds as published by manufacturers as of October 2013. Test methods vary.
- <sup>20</sup> 44-inch not available in US and Canada.
- <sup>21</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>22</sup> Water-based HP Latex Inks are not classified as flammable or combustible liquids under the USDOT or international transportation regulations. Testing per the Pensky-Martins Closed Cup method demonstrated flash point greater than 110° C.
- <sup>23</sup> Special ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Special ventilation equipment installation is at the discretion of the customer—see the Site Preparation Guide for details.
- <sup>24</sup> Nickel free demonstrated according to testing conducted for HP Latex Inks to achieve UL ECOLOGO® Certification. UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of stringent criteria related to human health and environmental considerations (see [ul.com/EL](http://ul.com/EL)).
- <sup>25</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 2010 and 2013) and none were detected.
- <sup>26</sup> Scratch-resistance comparison based on testing HP 831 and 881 Latex Inks and representative hard-solvent inks. Estimates by HP Image Permanence Lab on a range of media.
- <sup>27</sup> For best results use media options intended for double-sided printing.
- <sup>28</sup> For best results, print on media that does not let the ink trespass onto the printer. Performance may vary depending on media. Please consult your media supplier for compatibility details.
- <sup>29</sup> Performance and features vary by printer. Flexible media printing may require optional upgrade kit. Printing performance may vary depending on media.
- <sup>30</sup> Performance and features vary by printer. Optional extension tables may be required for long materials.
- <sup>31</sup> EPEAT registered where applicable/supported. See [epeat.net](http://epeat.net) for registration status by country.
- <sup>32</sup> HP 792 Latex Ink Cartridges, certification number 11 142 004, by the Eco Mark Office of Japan Environment Association.
- <sup>33</sup> Certifications based on select media and testing completed by a third-party test laboratory with test conditions that include a specific file/design and batch of media. Results may vary, depending on the profile, ink setting, and printer conditions. End-product performance is the responsibility of the manufacturer or print service provider.
- <sup>34</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). HP trademark license code PEFC™/29-31-198, see [pefc.org](http://pefc.org). Not all FSC®- or PEFC™-certified products are available in all regions. For information about HP large format printing materials, please visit [globalBMG.com/hp](http://globalBMG.com/hp).
- <sup>35</sup> Print Care is not available on all printers. Please contact your sales representative for further information.

# Applications map



HP Designjet Z-series printers

HP Latex printers

HP Scitex printers

## Learn more at

[hp.com/go/designjet](http://hp.com/go/designjet)  
[hp.com/go/latex](http://hp.com/go/latex)  
[hp.com/go/scitex](http://hp.com/go/scitex)

© Copyright 2014 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Adobe PostScript® is a trademark of Adobe Systems Incorporated. ENERGY STAR and the ENERGY STAR mark are registered U.S. marks. PANTONE is the property of Pantone, Inc.

4AA5-0615EEW, April 2014, Rev. 1

