

Progressive Profitable Printing



Choose your
BEST SOLUTION



Welcome to the HP Signage & Displays printers portfolio

When you're considering your next printing system investment, what are the key benefits you look for?

Is it quality? Versatility? Productivity? Reliability?

Usually, you are ready to make compromises. But, when you choose HP printing systems, we want to provide you with the widest range of solution to get very close to your needs. We understand there is no single solution to fit the variety of needs of you and your customers. See our solutions in the next pages.

Selecting a printer that fits your needs

1

What applications do you want to produce?

2

What is your projected print volume?

3

Product key feature comparison

As you know, large format signage is an exciting segment of the HP graphic arts offering. You need to make the right decision that fits your business from different angles, your application needs, your typical print volumes, and your customers' needs.

At HP we understand the complex process of choosing a new printing solution for your business, and we have developed a three-step questionnaire to help you through the process.

Look at the diagram on the left which maps out the steps to identify the solutions that best meet your needs. You begin by evaluating the application type or types you wish to produce. Flexible or rigid? Wide or super-wide? Then think about print volume projections. In the end both pieces of information help you focus on the printing solutions that suit your business.

What applications do you want to produce?

HP large format signage printers print on two basic types of media: flexible and rigid. Flexible substrates are "bendable" like paper, as opposed to stiff or rigid substrates, like cardboard.

Flexible applications



Flexible applications are everywhere. And within this category are two formats; wide and super wide:

- "Wide format" machines print up to 2.5 m (8.2 ft). Larger applications are also possible using a wide-format printer by tiling smaller pieces together and then combining them to create one large image.
- "Super-wide format" machines print from 2.5 m up to 5 m (16.4 ft). Super wide is used for larger images or grouping multiple images to increase productivity.

Examples of flexible media include:

- Self-adhesive vinyl
- PVC banner
- Truck side curtain
- Backlit film (for light boxes; used in shopping malls and stores)
- Blue-back paper and polyethylene
- Canvas, flags, other textiles, and more

Rigid applications



Within this segment are a vast spectrum of functions and formats. From store signage, to event displays, to custom cabinets and even short run packaging, rigid applications are a great solution for many print service providers and their customers.

Rigid substrates include media such as:

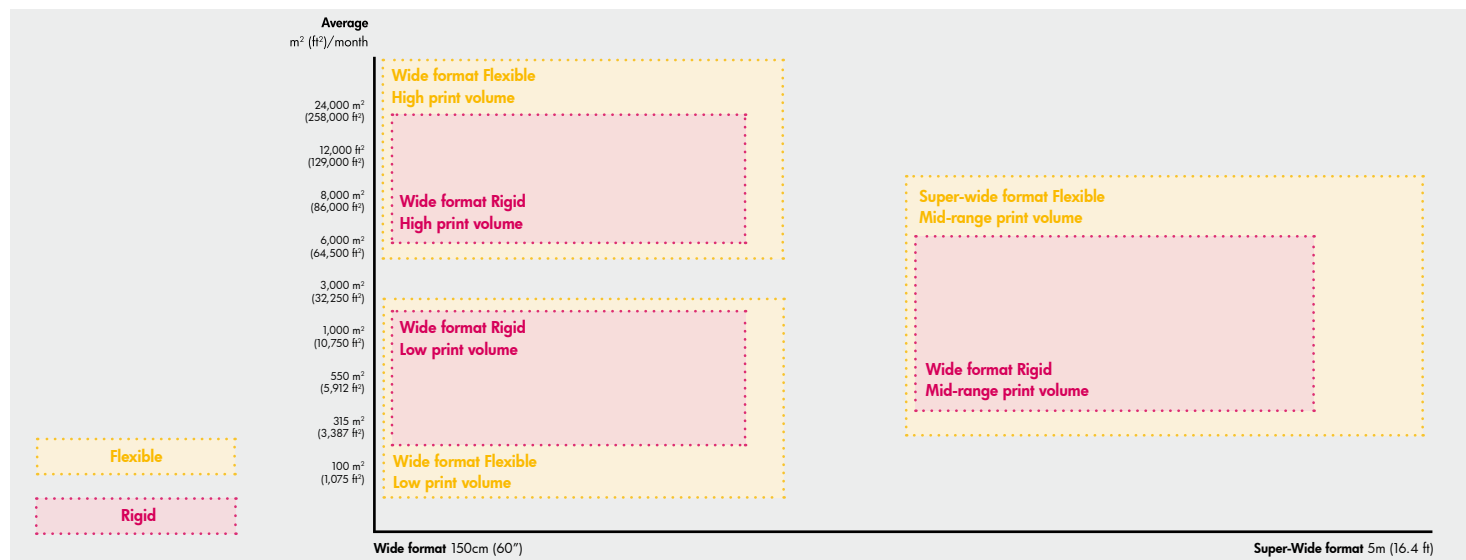
- Cardboard
- Foam PVC and boards
- Corrugated polypropylene
- Acrylic
- Polycarbonate
- Aluminum composite materials
- Wood, ceramics, and other exotic substrates

What is your projected print volume?

Determining projected print volume is based on three main aspects:

- Current volume
- Projections
- Strategic and long-range plans

Once you define your application type/s, you can narrow the field even further by evaluating your projected print volume. This should include both the volume you are producing today, as well as the changes you are projecting into your future. As a print service provider that thinks about its business development, you can consider this as your strategic vision for what kind of company you want to be in the next three, five, and ten years. With this vision in mind, you can choose the printing solution that will best suit your business growth.



Ink technologies in the large format signage portfolio

Now that you have a better understanding of your needs, and before you choose the best solution, it's time to explore the technologies offered by HP large format printing solutions. There are various ink technologies in the signage segment. HP ink technologies really differentiate us from the rest of the market. Designed together with the HP printing system, our inks enable a low-maintenance, high-performance solution that delivers quality, durability, reliability, productivity, and cost-effectiveness.

Four ink technologies are offered in the large format signage portfolio:

aqueous, solvent, HP Latex Inks, and UV-curable. HP is the only company in the market to offer all four of these technologies.

● WATER BASED

What are aqueous inks?

- Water based, for absorbent or coated media
- Many additives
- "Dry" by evaporation

Why aqueous inks?

- Wide color gamut
- Applicable to a diverse range of media
- Support high production speeds
- Environmentally friendly

● LOW SOLVENT/SOLVENT

What are solvent inks?

- Colorant with fewer additives
- Solvent softens the print surface and evaporates

Why solvent inks?

- Print on low-cost, non-absorbent materials
- Flexible colorant
- Long-term outdoor durability
- Scratch, smear, and water-resistance
- Good color gamut
- Low cost/m² suitable for:
 - Building wraps
 - Billboards

● HP LATEX INKS

What are HP Latex Inks?

- Water based
- Ink vehicle softens vinyl, evaporates
- Latex particles coalesce to form a durable colorant film

Why HP Latex Inks?

- Broad outdoor and indoor application versatility
- Display permanence and durability comparable to low-solvent inks¹
- Reduced impact of printing on the environment
 - No hazard warning labels
 - Prints emit extremely low levels of VOCs
 - No special ventilation is required²
 - Non-flammable
 - Non-combustible
 - Recyclable HP large-format printing materials, designed together with HP Latex Inks³

● UV CURABLE

What are UV-curable inks?

- Mechanically bind to the surface
- Do not dissolve or soften the surface of the print medium
- Do not "dry" by evaporation
- "Cured" by UV light rays

Why UV-curable inks?

- Excellent durability
- Substrate versatility
- High production rates

¹ HP image permanence and scratch, smudge, and water resistance estimates by HP Image Permanence Lab. Display permanence tested according to SAE J2527 using HP Latex and low-solvent inks 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. Scratch, smudge, and water resistance tested using HP Latex and low-solvent inks on a wide range of HP media; water resistance is comparable when printed on water-resistant substrates. Laminated display permanence using Neschen Solvoprint Performance Clear 80 laminate. Results may vary based on specific media performance.

² Special ventilation is not required to meet US OSHA requirements on occupational exposure to VOCs from HP Latex Inks. Special ventilation equipment installation is at the discretion of the customer—no specific HP recommendation is intended. Customers should consult state and local requirements and regulations.

³ HP offers the HP Large-Format Media take-back program, availability varies. Aside from this program, recycling opportunities for this product are currently only available in limited areas. Customers should consult local recycling resources for recycling this product.

Portfolio at a glance

● WATER BASED

● LOW SOLVENT/SOLVENT

● HP LATEX INKS

● UV CURABLE

Super Wide Format Industrial Printers

HP Scitex XP5300 Printer / HP Scitex XP2300 Printer

Print Speed	XP5300: Up to 300 m ² /hr (3,200 ft ² /hr), 1 pass; XP2300: Up to 233 m ² /hr (2,508 ft ² /hr), 2 pass
Print resolution	Up to 360 dpi
Media Types	Polyethylene, paper, mesh, vinyl, textiles, blue back paper, SAV, banner material, synthetic paper, Tyvek, Yupo, and others
Size	XP5300: Roll-fed media up to 5 m (16.6 ft) wide; XP2300: Roll-fed media up to 3.2 m (10.5 ft) wide
Ink colors	Cyan, magenta, yellow, black: 4-color Billboard and 4-color Standard inks
Print heads	16 total (4 per color)
Ink coverage	Billboard mode: 180 m ² (1,940 ft ²) per liter; Standard mode: 95 m ² (1,022 ft ²) per liter
Ink drop	80 pl
Applications	XP5300: Building coverings, exhibition/event graphics; XP2300: Billboards - PVC banners, woven PE

HP Scitex XP5100 Printer / HP Scitex XP2100 Printer

Print Speed	XP5100: Up to 150 m ² /hr (1,600 ft ² /hr), 2 pass; XP2100: Up to 120 m ² /hr (1,300 ft ² /hr), 2 pass
Print resolution	Up to 360 dpi, 720 dpi apparent
Media Types	Polyethylene, paper, mesh, vinyl, textiles, blue back paper, SAV, banner material, synthetic paper, Tyvek, Yupo, and others
Size	XP5100: Roll-fed media: up to 5 m (16.6 ft) wide XP2100: Roll-fed: up to 3.2 m (10.5 ft) wide
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta, light yellow, light black
Print heads	16 total (2 per color in 8C mode / 4 per color in 4C mode)
Ink coverage	95 m ² (1,022 ft ²) per liter ¹
Ink drop	80 pl
Applications	XP5100: Outdoor event banners, POP posters; XP2100: Outdoor event banners, POP posters, exhibition/event graphics

¹ According to HP condition applied

HP Scitex XP2700 Printer / HP Scitex XP2750 Printer

Print Speed	Up to 110 m ² /hr (1,200 ft ² /hr), 2 pass
Print resolution	Up to 635 X 800 dpi, 1270 X 1600 dpi apparent
Media Types	Roll-fed: polyethylene, paper, mesh, vinyl, textiles, blue back paper, SAV, banner material, synthetic paper, Tyvek, Yupo, and others; Rigid: (only for XP2750) foam PVC, rigid PVC, acrylic sheets, and others
Size	XP2700: Roll-fed: up to 3.2 m wide; Rigid: up to 2.5 x 2.0 m (8.2 x 6.5 ft) ¹ XP2750: Roll-fed: up to 3.2 m wide; Rigid: up to 2.5 x 2.0 m (8.2 x 6.5 ft) ²
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta, light yellow, light black (4- and 8-color modes with automatic switchover)
Print heads	32 total (4 per color in 8C mode / 8 per color in 4C mode)
Ink coverage	95 m ² per liter
Ink drop	50 pl
Applications	XP2700: Wall murals/interior decoration, double-sided banners/backlit and blackout; XP2750: POP posters, rigid substrates

¹ Optional. Must be ordered separately.
² Standard.

HP Scitex XL1500 Printer / HP Scitex XL1200 Printer

Print Speed	XL 1500: Up to 124 m ² /hr (1,333 ft ² /hr); XL 1200 Up to 95 m ² /hr (1023 ft ² /hr)
Print resolution	Up to 740 x 370 dpi (apparent in XL quality mode and sample mode)
Media Types	Self-adhesive vinyl, PVC, mesh, fabrics, flexface banner, paper, and more
Size	Roll-fed media up to 5.2 m (17 ft) wide
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta, light yellow, light black
Print heads	32 total (8 per color in 4 color mode, 4 per color in 8 color mode)
Applications	Textiles/carpets, vehicle graphics - wraps, fleet marking, truck curtains

High Volume Flexible Industrial Printers

HP Scitex TJ8350 Printer

Print Speed	Up to 480 m ² /hr (4,305 ft ² /hr); Up to 80 sheets/hr
Print resolution	Up to 600 dpi apparent
Media Types	Uncoated flexible substrates such as indoor and outdoor wet strength digital paper, self-adhesive vinyl, flag, polystyrene and backlit materials, PVC banner, window graphics, and other flexible media. Also uncoated synthetic paper and similar for HP Scitex
Size	1.2 x 1.6 to 1.65 x 3.7 m (47 x 63 to 65 x 145 in)
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta
Print heads	150 total (25 per color)
Ink drop	80 pl
Applications	Billboards - paper, SAV, double-sided banners, light boxes - paper, vehicle graphics - wraps, vehicle graphics - fleet marking

HP Scitex TJ8550 Printer

Print Speed	Up to 480 m ² /hr (4,305 ft ² /hr); Up to 80 sheets/hr
Print resolution	Up to 600 dpi apparent
Media Types	Uncoated flexible substrates such as indoor and outdoor wet strength digital paper, self-adhesive vinyl, flag, polystyrene and backlit materials, PVC banner, window graphics, and other flexible media. Also uncoated synthetic paper and similar for HP Scitex
Size	1.2 x 1.6 to 1.65 x 3.7 m (47 x 63 to 65 x 145 in)
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta
Print heads	150 total (25 per color)
Ink drop	80 pl
Applications	Billboards - paper, SAV, double-sided banners, light boxes - paper

Flatbed Industrial Printers

HP Scitex FB7500 Printer

Print Speed	Up to 500 m ² /hr (5,380 ft ² /hr) or 95 full-size sheets/hr
Print resolution	Native up to 500 dpi
Media Types	Foam PVC, PVC sheets, foamboard, corrugated cardboard ⁽¹⁾ , displayboard/cardtsock, compressed cardboard, polystyrene, SAV, paper, synthetic paper, banner material, corrugated polypropylene and others
Size	Rigid and flexible sheets up to 165 x 320 cm (65 x 126 in)
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta
Print heads	312 total (52 per color)
Ink drop	42 pl
Applications	Rigid exhibition and event graphics, speciality rigid applications, interior design & product decoration

(1) E, EE, and EB fluted boards

HP Scitex FB6700 Printer

Print Speed	Up to 150 m ² /hr (1,614 ft ² /hr); Up to 29 full-size sheets/hr ⁽¹⁾
Print resolution	Up to 600 dpi, 900 dpi apparent
Media Types	Corrugated and compressed cardboard, polypropylene, styrene, acrylic, polycarbonate, foam board, foam PVC, and other rigid substrates
Size	80 x 140 to 160 x 320 cm (31.5 x 55.1 to 63 x 126 in)
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta
Print heads	42 total (7 per color)
Ink drop	30 pl
Applications	Short-run packaging, 3D displays

(1) On 160 x 320 cm (63 x 126 in) sheets

HP Scitex FB6100 Printer / HP Scitex FB6050 Printer

Print Speed	Up to 100 m ² /hr (1,070 ft ² /hr)
Print resolution	Up to 1,270 x 800 dpi, 2,540 x 1,600 dpi apparent
Media Types	Rigid: foam PVC, rigid PVC, corrugated boards, foam-core boards, acrylic sheets, polypropylene, polystyrene, polycarbonate, glass, wood, aluminum and others; Roll - feed: (only for FB6100): vinyl, standard paper, blue back paper, banner material, flag, and others
Size	Rigid: up to 3.2 x 2 m (10.5 x 6.5 ft); Roll - feed: (only for FB6100): up to 2.2 m (7.21 ft) wide
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta, light yellow, light black, white
Print heads	16 total (2 per color in 8C mode / 4 per color in 4C mode)
Ink drop	28 pl
Applications	Specialty rigid applications, interior design & product decoration, POP rigid, directional rigid signage

HP Scitex FB950 Printer

Print Speed	Up to (600 x 600) 21.1 m ² /hr (226 ft ² /hr) / Up to (600 x 300) 80 m ² /hr (861 ft ² /hr)
Print resolution	1200 x 600, 600 x 600, 600 x 300 dpi
Media Types	Rigid: foam PVC, rigid PVC, corrugated boards, foam-core boards, acrylic sheets, polypropylene, polystyrene, polycarbonate, glass, wood, aluminum and others; Roll - feed (only for FB6100): vinyl, standard paper, blue back paper, banner material, flag, and others
Size	Rigid: up to 2.5 x 2.03 m (98.4 x 80 in) or up to 3.81 m length with second set of tables; Roll - feed with Roll to Roll kit: up to 2.5 m (98.4 in) wide
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta
Print heads	12 printheads (2 per color)
Ink drop	Variable drop size (15 to 35pl)*
Applications	POP rigid, directional rigid signage, rigid exhibition and event graphics

* Two drop size options and one need to be selected before start to print

Large Format Latex Printers

HP Designjet L65500 Printer series

Print Speed	Outdoor-quality up to 79 m ² (846 sqft/h) Indoor-quality up to 34 m ² (368 sqft/h)
Print resolution	1200x1200 dpi
Media Types	Supports most low-cost, uncoated, low-solvent compatible media. Self-Adhesive Vinyl, Banner, Film, Paper, Fabric, Mesh, and others
Size	W. 5.17 x D. 1.65 x H. 1.64 m (16.97 x 5.44 x 5.39 ft)
Ink colors	6 colors- cyan, magenta, yellow, black, light cyan, light magenta
Print heads	3 total (each contains 2 colors- cyan/black, magenta/yellow, light cyan/light magenta)
Ink drop	12 pl
Applications	Vehicle graphics – fleet marking, billboards – PVC banner, woven PE (HP HDPE Reinforced banner) , wall Murals/Interior decoration

Hybrid Commercial Printers

HP Designjet H45000 / H35000 Printer series

Print Speed	H45000: Up to (600 x 600) 36 m ² /hr (388 ft ² /hr) ; H35000: Up to (600 x 600) 18 m ² /hr (194 ft ² /hr)
Print resolution	1200 x 600, 600 x 600, 600 x 300 dpi
Media Types	Rigid: Coroplast, Foam-Cor, Sintra, Polystyrene, Acrylics, Corrugated, Plywood, DiBond, and more up to 2.54 cm thick and 15.9 kg in weight; Roll - feed: banner vinyl, adhesive vinyl, canvas, paper, and backlit film
Size	Assembled dimensions Roll-fed: Height 57.1 in/145 cm Depth 27.6 in/70.2 cm Width 108 in/274 cm Tables Fully Extended: 57.1 in/145 cm Depth 127.8 in/325 cm Width 108 in/274 cm; Roll - feed: 61 to 137 cm
Ink colors	H45100/H35100: Cyan, magenta, yellow, black; H45500/H35500: Cyan, magenta, yellow, black, light magenta, light cyan
Print heads	H45100/H35100: 6 (one per color); H45500/H35500: 12 (two per color)
Ink drop	Variable drop size (15 to 35pl)
Applications	Flexible substrates (standards), POP rigid, directional rigid signage, rigid exhibition and event graphics

Large Format Low Solvent Printers

HP Designjet 10000s Printer /HP Designjet 9000s Printer / HP Designjet 8000s Printer series

Print Speed	High quality	Normal	Draft normal	Fast
10000s/9000s	8.17 m ² /hr (88 ft ² /hr)	16.35 m ² /hr (176 ft ² /hr)	20.4 m ² /hr (220 ft ² /hr)	29.9 m ² /hr (322 ft ² /hr)
8000s	4.08 m ² /hr (44 ft ² /hr)	8.17 m ² /hr (88 ft ² /hr)	10.2 m ² /hr (110 ft ² /hr)	15.3 m ² /hr (165 ft ² /hr)
Print resolution	720 x 720 dpi			
Media Types	10000s: Paper, self-adhesive vinyl, banner, scrim, films, fabrics, mesh 9000s/8000s: Paper, vinyl, banner scrim, films, fabrics			
Size	10000s: w. 3.71 x D . 0.89 x H. 1.21 m (12.17 x 2.91 x 3.97 ft); 9000s: w. 2.54 x D. 0.86 x H. 1.20 m (8.33 x 2.82 x 3.94 ft); 8000s: W. 2.85 x D. 0.83 x H. 1.25 m (9.3 x 2.7 x 4.1 ft)			
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta			
Print heads	6 printheads			
Ink drop	12 pl			
Applications	10000s: Exhibition/Event graphics, outdoor event banners, POP posters, light boxes - film, vehicle graphics - wraps, fleet marking, Billboards - PVC banner, wall murals, interior decoration, double-sided banner. 9000s/8000s: Outdoor event banners, POP posters, Vehicle graphics - wraps			

Large Format Production & Department Printers

HP Designjet Z6100 Printer series

Print Speed	Best	Fast
on coated paper on glossy paper	13.7 m ² /hr (147 ft ² /hr), 3.3 min/page on D/A1 9.1 m ² /hr (98 ft ² /hr), 5 min/page on D/A1	66.9 m ² /hr (720 ft ² /hr), 42 sec/page on D/A1 23.4 m ² /hr (252 ft ² /hr), 2.1 min/page on D/A1
Print resolution	2400 x 1200 optimized dpi	
Media Types	Bond & coated paper, Technical paper, Film, Photographic paper, matte, Backlit, Self-adhesive, Banner and sign media, Fabric, Fine art	
Size	42-inch models: 24- to 42-inch rolls (610 to 1067 mm); 60-inch models: 24- to 60-inch rolls (610 to 1067 mm)	
Ink colors	Cyan, magenta, matte black, photo black, yellow, light cyan, light gray, light magenta	
Ink drop	4 pl (light cyan, light magenta, light gray, photo black) 6 pl (cyan, magenta, yellow, matte black)	
Applications	Photo/digital fine art, exhibition/event graphics, POP posters, light boxes - film	

HP Signage & Displays printers portfolio

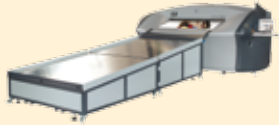
Large-Format Industrial Printers

Flexible Wide Format

HP Scitex TJ8550 Printer

Up to 480 m²/hr (5,166 ft²/hr)
Up to 1.2 x 1.6 to 1.65 x 3.7m (47 x 63 to 65 x 145 in)

- UV curable



HP Scitex TJ8350 Printer

Up to 480 m²/hr (5,166 ft²/hr)
Up to 1.2 x 1.6 to 1.65 x 3.7m (47 x 63 to 65 x 145 in)

- Low-solvent/solvent



Flexible Super-wide Format

HP Scitex XP5100/XP5300 Printer

Up to 150/300 m²/hr (1,600/3,200 ft²/hr)
Up to 5 m (16.6 ft) wide

- UV curable



HP Scitex XP2700/2750 Printer

Up to 110 m² (1,200 ft²/hr)
Up to 3.2 m (10.5 ft) wide

- UV curable



HP Scitex XP2300 Printer

Up to 233 m²/hr (2,508 ft²/hr)
Up to 3.2 m (10.5 ft) wide

- UV curable



HP Scitex XP2100 Printer

Up to 120 m²/hr (1,300 ft²/hr)
Up to 3.2 (10.5 ft) wide

- UV curable



HP Scitex XL1200/XL1500 Printer

Up to 95/124 m²/hr (1,023/1,333 ft²/hr)
From 2.4-5.2 m (7.9-17 ft) wide

- Low-solvent/solvent



Flatbed/Hybrid Wide Format

HP Scitex FB7500 Printer

Up to 500 m²/hr (5,380 ft²/hr)
Rigid and flexible sheets up to 165 x 320 cm (65 x 126 in)

- UV curable



HP Scitex FB6700 Printer

Up to 150 m²/hr (1,614 ft²/hr)
80 x 140 to 160 x 320 cm (31.5 x 55.1 to 63 x 126 in)

- Water based



HP Scitex FB6100/FB6050 Printer

Up to 100 m²/hr (1,070 ft²/hr)
Rigid: up to 3.2 x 2 m (10.5 X 6.5 ft) wide
Roll-fed: up to 2.2 m (7.21 ft)¹

- UV curable



¹ Roll media supported by the HP Scitex FB6100 Printer only.

Large-Format Commercial Printers

HP Designjet 9000s Printer

Up to 29.9 m²/hr (322 ft²/hr)
Up to 1.62 m (64 in) wide

- Low-solvent/solvent



HP Designjet 8000s Printer series

Up to 15.3 m²/hr (165 ft²/hr)
Up to 1.62 m (64 in) wide

- Low-solvent/solvent



HP Designjet Z6100 Printer series

Up to 66.9 m²/hr (720 ft²/hr)
42 – 62 in (1.07 – 1.5 m) wide

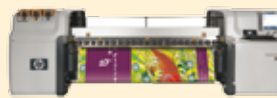
- Water based



HP Designjet L65500 Printer

Up to 79 m²/hr (846 ft²/hr)
Up to 2.64 (104 in) wide

- HP Latex Inks



HP Designjet 10000s Printer

Up to 29.9 m²/hr (322 ft²/hr)
Up to 2.64 m (104 in) wide

- Low-solvent/solvent



HP Scitex FB950 Printer

Up to (600 x 600) 21.1 m²/hr (226 ft²/hr)
Up to (600 x 300) 80 m²/hr (861 ft²/hr)
15 x 23 up to 250 x 203 cm (6 x 9 to 98.4 x 80 in) wide
Roll-fed: up to 381 cm (150 in) length

- UV curable



HP Designjet H35000/H45000 Printer series

H45000: Up to (600 x 600) 36 m²/hr (388 ft²/hr)
H35000: Up to (600 x 600) 18 m²/hr (194 ft²/hr)
61 to 137 cm (24 to 54 in) wider
Roll-fed: up to 244 cm (96 in) length

- UV curable

