HP Latex R530 AI Printer

The first compact, all-in-one rigid and flexible large-format AI printer, powered by cloud and edge AI to transform production and grow profits.[1]

*Product image may differ from actual product

ALL-IN-ONE—Intelligent rigid and flexible printing

- Profitable direct printing on rigid—and without tradeoffs—using the HP High Control Belt System.
- Compact all-in-one printer that delivers seamless transitions between rigid and flexible loading—and uses single-phase power.
- Simplify operations with an IPS touchscreen, easy media loading, and Automatic Print Mode Selection powered by on-edge AI.
- Save time and reduce errors with 2 years of HP PrintOS Production Hub included[2], featuring Direct Job Submission and AI capabilities.

VERSATILE—Consistent quality across media

- Experience consistent, stunning quality across media and jobs on both rigid and flexible applications.
- Level up your offering with high-margin rigid and flexible applications with HP Latex Inks.
- Solid colors, elevated gradients with wide gamut and HP Pixel Control—maintains your media's look and feel.
- Lead the way with the HP Latex White Ink printing experience, automatic recirculation, and printhead cleaning.

SUSTAINABLE—Lead with certified HP Latex Inks

- Reduce waste and costs[3] with direct-to-rigid printing while keeping your fiber-based media recyclable[4].
- Advance your sustainability journey with our unique HP Sustainability Amplifier software.[5]
- Create a comfortable workspace[6] with odorless prints[7] and UL ECOLOGO®-certified[8] HP Latex Inks.
- Promote circularity with a printer that contains at least 25% recycled plastic[9] and includes a returnable extended-life[10] maintenance cartridge.

Messaging Footnotes

[1] Based on publicly available information as of July 2026 and a competitive assessment commissioned by HP and performed by Sogeti, the HP Latex R530 AI is the only all-in-one rigid and flexible large-format printer that incorporates all of the following capabilities: on-device AI/ML inferencing, a dedicated NPU, and access to cloud-based AI services. For purposes of this comparison, an "AI Printer" is defined as a printer incorporating all three capabilities.
[2] For HP's large-format printers, HP PrintOS Production Hub is compatible with HP Latex printers and the HP Stitch Printer series. For more information, check: https://www.hp.com/us-en/printers/large-format/printos.html
[3] Target customers for the HP Latex R530 AI Printer Series are traditionally using a Print&Mount technique, using a rigid material and sticking a self-adhesive vinyl on top. With the HP Latex R530 AI Printer Series, they would print directly on the rigid material, saving on average 250 m² of self-adhesive vinyl per month, thus reducing the amount of material used and disposed of.
[4] Based on recyclability evaluation, printing with the HP Latex R530 Printer on 3A DISPA Plus, Neenah ImageMax, Reboard Honeycomb Brown, Kaemmerer Chantaffiche 200 JE and HP Premium Poster Paper. Test conducted by TU Darmstadt Fachgebiet Papierfabrikation und Mechanische Verfahrenstechnik PMV according to PTS-RH 021 category 2.
[5] The HP Sustainability Amplifier program helps customers reduce their environmental impact through self-assessment, resources, and recognition with an HP badge, not an official eco-label. Recognition is subject to approval for credibility. Program is only available in English.
[6] Based on odor sensory evaluation when printing with the HP Latex R530 AI Printer Series. Tests done in a 57 m² room with 5ACH. Test conducted by Odournet following the standard VDI3882, where the HP Latex R530 AI Printer Series air quality was characterized, when printing, as "neutral" to "slightly pleasant" for hedonic tone.
[7] Applicable to HP Latex Inks. Based on sensory evaluations conducted by Odournet, done according to VDI Guideline 3882 where 873 inks were characterized as ""weak"" in odor intensity and ""neutral"" for hedonic tone. There is a broad set of media with very different odor profiles. Some of the media can affect the odor performance of the final print.
[8] UL ECOLOGO® Certified HP 832 and 873 inks meet a range of stringent human health and environmental considerations. For certifications, see www.ul.com/EL and www.ul.com/gg
[9] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled content is based on the definition set in the EPEAT standard for imaging equipment, IEEE 1680.2.
[10] The new maintenance cassette has at least 50% more life (Liters of inks) thanks to a 50% longer cleaning cloth and to the new ink collection unit that helps use 100% of the cleaning cloth for all users compared to previous model available in Latex 700/800.

Technical specifications

Print

Print speed	334 ft²/h - Draft (4 pass); 258 ft²/h - Fast (6 pass); 167 ft²/h - Standard (12-pass); 124 ft²/h - Quality(16 pass); 99 ft²/h - White Spot (100%); 67 ft²/h - White Overflood (100%); 45 ft²/h - White Underflood (100%); 33 ft²/h - White Underflood (160%); 22 ft²/h - 3 Layers; 14 ft²/h - 5 layers[1]
Print resolution	Up to 1200 x 600 dpi
Technology	HP Latex Printing Technologies
Ink types	Water-based HP Latex Inks
Ink cartridges	9 (black, cyan, light cyan, light magenta, magenta, yellow, white, HP Latex Optimizer, HP Latex Overcoat) cartridges
Cartridge size	3 L per cartridge
Printheads	10 (2 cyan/black, 2 magenta/yellow, 2 light cyan/light magenta, 2 white, 1 HP Latex Optimizer, 1 HP Latex Overcoat)

Media

Applications	Signage: indoor, outdoor, flat, backlit, thermoformed; Decoration: wall coverings, window decoration; Vehicle decoration: fleet graphics, wraps, decals; Textile: soft signage, frontlit, backlit; POS and Packaging: corrugated displays, short-run customized packaging, prototyping
Handling	Flatbed, sheet feed, roll feed, vacuum belt media drive for easy loading and accurate media advance
Maximum media width	64 in
Media rolls	1
Roll size	18 to 64 in
Maximum roll weight	Up to 121 lb
Maximum roll diameter	9.8 in
Thickness	Up to 2 in
Media types	Rigid substrates: paper foamboard, plastic foamboard, PVC foam, plastic corrugated, acrylic, polycarbonate, polystyrene, compressed cardboard, corrugated board, honeycomb board, aluminum composite panel, wood, glass, ceramic; Roll substrates: PVC banner, self-adhesive vinyl, coated paper, polypropylene, polystyrene, polycarbonate, polyester, textile (non porous), canvas, leather
Board Weight Maximum	150 lb
Sheet size	5.8 x 8.3 in to 63.6 x 60 in (up to 63.6 x 236 in with two sets of optional extension tables)

Connectivity

Interfaces	Gigabit Ethernet (1000Base-T)

Dimensions (W x D x H)

Product	103.5 x 68.1 x 60.9 in (without tables); 103.5 x 126 x 60.9 in (with tables)
Shipping	115.4 x 87.6 x 69.1 in
Operating area	Rigid printing: 185 x 170.5 in; Flexible only: 148 x 170.5 in

Weight

Product	1455 lb (without tables)
Shipping	2769 lb

Included

What's in the box	HP Latex 530 printer (including standard input and output tables, roll to roll printing system, white system, 1x multi-sheet pin), AI IPS PC, 1 set of printheads, maintenance cartridge, 2x ink collection units, power cords, user maintenance kit

Environmental ranges

Operating temperature	59 to 86°F
Operating humidity	20 to 80% RH (non-condensing)

Acoustics

Sound pressure	Printing: 65 dB(A) (operating)

Power

Consumption	2.5-4 kW (5 kW peak) (printing), 130 W (ready)
Requirements	Input voltage (auto ranging) 200-240 V two wires and PE; 50/60 Hz (±3 Hz); two power cords; 16 A max per power cord

Certifications & Compliance

Safety	IEC 62368-1 compliant; United States and Canada (CSA listed); EU (MD compliant, EN12100, EN60204-1, and EN1010-1); Ukraine (UA)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Korea (KCC)
Environmental	WEEE, RoHS (EU, EAEU, China, Korea, India, Ukraine, Turkey), REACH, OSHA, CE marking compliant, Meets AgBB criteria, French VOC A+, UL GREENGUARD Gold, UL ECOLOGO
Warranty	Two years limited hardware warranty.

Ordering information

Product

69G27T	HP Latex R530 AI Printer

Accessories

840P9A	HP Latex R Series 64-in Extension Tables	840Q2A	HP Latex R530 Lateral Pinch Rollers Kit

Original HP printing supplies

9D7P4A	HP 875 3-liter Cyan Latex Ink Cartridge	9D7Q1A	HP 875 3-liter Optimizer Latex Ink Cartridge
9D7P5A	HP 875 3-liter Magenta Latex Ink Cartridge	9D7Q2A	HP 875 3-liter White Latex Ink Cartridge
9D7P6A	HP 875 3-liter Yellow Latex Ink Cartridge	9D7Q3A	HP 837 White Latex Printhead
9D7P7A	HP 875 3-liter Black Latex Ink Cartridge	9D7Q4A	HP 837 Latex Optimizer Printhead
9D7P8A	HP 875 3-liter Light Cyan Latex Ink Cartridge	9D7Q5A	HP 837 Universal Latex Printhead
9D7P9A	HP 875 3-liter Light Magenta Latex Ink Cartridge	9T063A	HP 838 Latex Maintenance Cartridge
9D7Q0A	HP 875 3-liter Overcoat Latex Ink Cartridge	9T064A	HP 833/838 Latex Ink Collection Unit (2-unit pack)

Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit https://hp.com/go/OriginalHPinks

Original HP large format printing materials

HP Recycled Removable Adhesive Fabric, 3-in Core (Latex/solvent)[2]
HP PVC-free Blockout Banner (REACH compliant[4])
HP 13-oz Prime Gloss Banner
HP Prime Gloss Air GP (REACH compliant[4])
HP Photo-realistic Paper (FSC® certified[3], REACH compliant[4])
HP Premium Poster Paper (FSC® certified[3], REACH compliant[4])
HP Matte Polymeric Overlaminate (REACH compliant[4])[5]
For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support

UV7Y8E	HP 3 year Plus Service Plan for HP Latex R530 AI
UV7Y9E	HP 4 year Plus Service Plan for HP Latex R530 AI
UV7Z0E	HP 5 year Plus Service Plan for HP Latex R530 AI

HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit http://www.hp.com/go/cpc

Specification Footnotes

[1] Print speeds may vary depending on the material and due to the adaptive printing mechanism to avoid image quality defects.
[2] Product consists of PET fabric and coatings. With liner attached, 69% by weight of the product consists of recycled content. Base material fabric is made from 100% recycled resin.
[3] FSC® certified - HP has a policy for offering Forest Stewardship Council® (FSC®)-certified papers that are sourced from FSC®-certified forests and other controlled sources. BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions.
[4] See HP REACH Declaration published at HP Printing Products and Consumable Supplies.
[5] Visit HPLFMedia.com Sign & Display, to find the complete HP Large Format Printing portfolio, sustainability highlights, technical data, media warranties, certifications, compatibility charts, comprehensive guides, assets, and other information.

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