

HP DesignJet T850 36-in Multifunction Printer



The world's easiest A3-A1 printing experience to maximize your team's agility¹



*Product image may differ from actual product

THE EASIEST¹—Multi-size printing in one click

- Do it all—also print A3 jobs using the integrated input tray, without manually changing from roll to sheets.
- Achieve high-quality CAD and renders across print sizes with HP Flex Tech Inks.
- Avoid distractions with fewer ink interventions thanks to 130/300-ml cartridges.
- Simplify scan and copy workflows with personalized one-click shortcuts from the front panel.

CONNECTED—Secure and seamless collaboration

- Simplify printing with the new HP Click Print solutions - Save time with real-print preview.³
- Protect your printer and data from cyberthreats without any effort thanks to HP Wolf Pro Security.
- Stay on task with HP app²—manage your device and print from virtually anywhere using your mobile or tablet.
- Share drawings and collaborate with colleagues wherever they are with the easy-to-use front-loading scanner.

GO BEYOND—Meet office and environmental needs

- Advance environmental goals—printer is made with at least 35% recycled plastics⁴ and recyclable supplies⁵.
- Invest in a robust and compact plotter that's designed to last.
- Reduce energy and ink waste—auto schedule printer on/off usage and enjoy efficient ink maintenance routines.

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>

Messaging Footnotes

¹ Based on test results using HP Click with the HP DesignJet T850. This solution enables printing in fewer steps compared to main competitor printing solutions. Printing a 5-page mixed job set with A1 and A3 takes 3 steps using HP Click vs. 12 steps with competitor A and 8 steps with competitor B. Testing performed by Sogeti, April 2023. Detailed test report is available upon request.

² Requires HP app download available at <https://www.hp.com/go/mobileprinting>. Certain features are available in English language only and may vary by printer model/country, and between desktop/mobile applications. HP reserves the right to introduce charges for use of functionality facilitated by the HP app. Internet access required and may not be available in all countries. HP account required for full functionality. List of supported operating systems available in app stores.

³ HP One-click printing with HP Click software. HP Click software is only compatible with Original HP ink supplies. Applicable to PDF, JPEG, TIFF, DWF, and HP-GL/2 files.

⁴ Declared %RCP content is based on the quantity and weight of parts made with RCP resin over the total plastic parts.

⁵ Program availability varies. See <https://www.hp.com/go/recycle>

For more information, please visit <https://www.hp.com/go/designjet-t850-mfp>



Technical specifications

| | |
|---|--|
| Print | |
| Print speed | 25 sec/page on A1, 90 A1 prints per hour ¹ |
| Print resolution | Up to 2400 x 1200 optimized dpi |
| Technology | HP Thermal Inkjet |
| Margins (roll) | 5 x 5 x 5 x 5 mm |
| Margins (sheet) | 5 x 5 x 5 x 5 mm |
| Ink types | Pigment-based (C, M, Y, mK) |
| Print Cartridges/Bottle, Number | 4 (C, M, Y, mK) cartridges |
| Print cartridge/bottle volume delivered | 300 ml cartridge, 130 ml cartridge |
| Ink drop | 6 pl (C, M, Y); 12.6 pl (mK) |
| Printheads | 1 (C, M, Y, mK) |
| Printhead nozzles | 1376 per color; 5504 in total |
| Line accuracy | ±0.1% ² |
| Minimum line width | 0.02 mm (via raster driver) |
| Max optical density | 15 l* min/1.7 D ³ |
| Scan and copy | |
| Linear scan speed | Up to 3.81 cm/sec (color, 200 dpi), up to 11.43 cm/sec (grayscale, 200 dpi) |
| Scan resolution | Up to 600 dpi |
| Technology | Sheetfed, CIS (Contact Image Sensor), media jam detection sensor, front feed scanning method |
| Scan format | JPEG, PDF, TIFF |
| Scan destinations | Scan to email, network, and USB. Scan to cloud, computer, and mobile through HP app. |
| Maximum scan width | 914 mm x 2.77 m |
| Maximum scan length | 7 m ⁴ |
| Original thickness | Up to 0.8 mm |
| Media | |
| Applications | Line drawings; Renderings; Presentations; Maps; Posters |
| Handling | Sheet feed, roll feed, input tray (50 sheet capacity), media bin, automatic horizontal cutter |
| Rolls | Media rolls: 1; Roll size: 369 to 914 mm; Maximum roll weight: 6.2 kg; Maximum roll diameter: 100 mm; |
| Maximum media width | 914 mm |
| Sheet size | Input tray: 210 x 279 to 305 x 457 mm; Manual feed: 210 x 279 to 914 x 1676 mm |
| Standard sheets | Input tray: A4, A3; Manual feed: A4, A3, A2, A1, A0 |
| Media Weight Recommended | 60 to 280 g/m ² (roll/manual feed); 60 to 220 g/m ² (input tray) |
| Thickness | Up to 0.3 mm |
| Media types | Bond and coated paper (bond, coated, heavyweight coated, plain, bright white, blueprint), technical paper (natural tracing), film (clear, matte), photographic paper (ID satin, ID gloss), self-adhesive (adhesive matte/gloss, adhesive polypropylene gloss), Polypropylene (matte) |
| Embedded controller | |
| Memory | 2 GB |
| Hard disk | None |

Ordering information

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| Product | |
| 2Y9H2A | HP DesignJet T850 36-in Multifunction Printer |
| Accessories | |
| 698G7A | HP DesignJet Sheet Organizer |
| 698G8A | HP DesignJet Sheet Organizer and Stacker Kit |
| B3Q37A | HP DesignJet 36-in Spindle |
| Original HP printing supplies | |
| 498N0A | HP 739 DesignJet Printhead Replacement Kit |
| 498N5A | HP 738 130-ml Cyan DesignJet Ink Cartridge |
| 498N6A | HP 738 130-ml Magenta DesignJet Ink Cartridge |
| 498N7A | HP 738 130-ml Yellow DesignJet Ink Cartridge |
| 498P2A | HP 738B 130-ml Black DesignJet Ink Cartridge |
| 498P6A | HP 738B 300-ml Black DesignJet Ink Cartridge |
| 676M6A | HP 738 300-ml Cyan DesignJet Ink Cartridge |
| 676M7A | HP 738 300-ml Magenta DesignJet Ink Cartridge |
| 676M8A | HP 738 300-ml Yellow DesignJet Ink Cartridge |

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|-------------------------------|---|
| Native print languages | TIFF, JPEG, URF, PDF, HP-GL/2, HP-RTL, CALS G4 |
| Connectivity | |
| Interfaces | Gigabit Ethernet (1000Base-T), Wi-Fi 802.11b/g/n |
| Printing paths | Wi-Fi Direct, remote printing, HP Click App, HP Click Driver for Windows 11, Apple AirPrint and HP app for Android and iOS devices, Windows and macOS printer drivers, printing support for Chrome OS, print from USB pen drive |
| Remote print enabled | Yes |
| One-click multi-size printing | Yes |
| Drivers | Raster driver for macOS and Windows, HP Click Driver for Windows 11, HP-GL/2 driver for Windows |
| Security features | HP Secure Boot, Allowlisting, Security event logging, Disable network ports and protocols, SNMPv3, 802.1x compatibility, TLS/SSL, NTLM v2, HP Web JetAdmin, HP Security Manager, SIEM Integration |
| Dimensions (W x D x H) | |
| Product | 1407 x 701 x 967 mm |
| Shipping | 1575 x 570 x 650 mm |
| Weight | |
| Product | 60 kg |
| Shipping | 83.5 kg |
| Included | |
| What's in the box | HP DesignJet T850 MFP, printhead, introductory ink cartridges, printer stand, spindle, guide, warranty flyer, power cord |
| HP Software and solutions | HP Click App, HP Click Driver for Windows 11, HP app for Windows, macOS, Android, and iOS |
| Environmental ranges | |
| Operating temperature | 5 to 40°C |
| Operating humidity | 20 to 80% RH |
| Operating altitude | Up to 3000 m |
| Storage temperature | -25 to 55°C |
| Recycled plastic in printer | 37% |
| Acoustics | |
| Sound pressure | Printing: 42 dB(A) (operating), <16 dB(A) (idle) |
| Sound power | Printing: 5.8 B(A) (operating), <3.4 B(A) (idle) |
| Power | |
| Consumption | 35 W (printing), <11 W (ready), <3.5 W (sleep), <0.1 W (off). Auto-scheduled printer on/off usage. |
| Requirements | Input voltage (auto ranging): 100-240 V (±10%), 50/60 Hz (±3 Hz), 1.2 A max |
| Certification | |
| Safety | USA and Canada (CSA certified); EU (RED Directive, EN 62368-1 compliant); Singapore (PSB); China (CCC); Mexico (NYCE); Argentina (IRAM); India (BIS) |
| Electromagnetic | Compliant with Class B requirements, including: USA (FCC rules), Canada (ICES), EU (RED Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI); Korea (KCC) |
| Environmental | ENERGY STAR, EPEAT, UL ECOLOGO® certified inks, CE marking (including WEEE, RoHS, REACH, ErP). In compliance with applicable WW RoHS materials restriction requirements. |
| Warranty | One-year limited hardware warranty. Warranty and support options vary by product, country and local legal requirements. |

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 Universal Bond Paper (FSC® certified)⁵ (recyclable)⁶
HP Coated Paper (FSC® certified)⁵ (recyclable)⁶
HP Heavyweight Coated Paper (FSC® certified)⁵ (recyclable)⁶

For the entire HP Large Format Printing Materials portfolio, please see [HPLFMedia.com](https://hplfmedia.com).

Service and Support

U56RTE HP 4-year Next Business Day HW Support
U56RVE HP 5-year Next Business Day HW Support

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 Mechanical printing time. Printed in Fast mode with Economode on, using HP Bright White Inkjet Paper (bond) and Original HP inks.
² ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 23°C (73°F), 50-60% relative humidity, on A0/E printing material in Best or Normal mode with HP Heavyweight Coated roll feed and Original HP inks.
³ With HP Universal Instant Dry Photo Gloss media with Original HP inks.
⁴ Scanned at 200 dpi using "Long Plot" setting.
⁵ BMG trademark license code FSC®-C115319, see <http://www.fsc.org>. HP trademark license code FSC®-C017543, see <http://www.fsc.org>
⁶ Can be recycled through commonly available recycling programs.

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February 2025
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