HP DesignJet T850 36-in Multifunction Printer

The world's easiest A3-A1 printing experience to maximize your team's agility[1]

THE EASIEST[1]—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

- Save time with HP Click—print in fewer steps and avoid reprinting with print preview.
- Protect your printer and data from cyberthreats without any effort thanks to HP Wolf Pro Security.
- Stay on task with HP app[2]—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 plastics[3] and recyclable supplies[4].
- 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.

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

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

[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] Declared %RCP content is based on the quantity and weight of parts made with RCP resin over the total plastic parts.
[4] Program availability varies. See https://www.hp.com/go/recycle

Technical specifications

Print

Print speed	25 sec/page on D, 90 D prints per hour[1]
Print resolution	Up to 2400 x 1200 optimized dpi
Technology	HP Thermal Inkjet
Margins	Roll: 0.2 x 0.2 x 0.2 x 0.2 in Sheet: 0.2 x 0.2 x 0.2 x 0.2 in
Ink types	Pigment-based (C, M, Y, mK)
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	0.0008 in (via raster driver)
Max optical density	15 L* min/1.7 D[3]

Multifunction capabilities

Scan speed	Up to 1.5 in/sec (color, 200 dpi) Up to 4.5 in/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.
Thickness	Up to 0.03 in

Media

Handling	Sheet feed, roll feed, input tray (50 sheet capacity), media bin, automatic horizontal cutter
Roll size	14.5 to 36 in
Maximum roll diameter	3.9 in
Sheet size	Input tray: 8.3 x 11 to 12 x 18 in Manual feed: 8.3 x 11 to 36 x 66 in
Standard sheets	Input tray: A, B Manual feed: A, B, C, D, E
Grammage	60 to 280 g/m² (roll/manual feed); 60 to 220 g/m² (input tray)
Thickness	Up to 11.8 mil
Applications	Line drawings; Renderings; Presentations; Maps; Posters
Memory	2 GB
Hard disk	None

Connectivity

Interfaces	Gigabit Ethernet (1000Base-T), Wi-Fi 802.11b/g/n
Native print languages	TIFF, JPEG, URF, PDF, HP-GL/2, HP-RTL, CALS G4
Printing paths	Wi-Fi Direct, remote printing, 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
Drivers	Raster driver for macOS and Windows, HP-GL/2 driver for Windows
Security features	HP Secure Boot, whitelisting, 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)

Printer	55.4 x 27.6 x 38.1 in
Shipping	62 x 22.5 x 25.5 in

Weight

Printer	132.3 lb
Shipping	184.1 lb
What's in the box	HP DesignJet T850 MFP, printheads, introductory ink cartridges, printer stand, spindle, guide, poster, warranty flyer, power cord
HP Software and solutions	HP Click for Windows and macOS, HP app for Windows, macOS, Android, and iOS
Remote print enabled	Yes
One-click multi-size printing	Yes

Environmental ranges

Recycled plastic in printer	37%
Operating temperature	41 to 104°F
Operating humidity	20 to 80% RH
Operating altitude	Up to 9843 ft
Storage temperature	-13 to 131°F

Acoustics

Sound pressure	42 dB(A) (operating), <16 dB(A) (idle)
Sound power	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 (standby). 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.

Ordering information

Product

2Y9H2A	HP DesignJet T850 36-in Multifunction Printer

Original HP large format printing materials

HP Universal Bond Paper (FSC® certified)[4] (recyclable)[5]
HP Coated Paper (FSC® certified)[4] (recyclable)[5]
HP Heavyweight Coated Paper (FSC® certified)[4] (recyclable)[5]

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

[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 23ºC (73ºF), 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] BMG trademark license code FSC®-C115319, see http://www.fsc.org . HP trademark license code FSC®-C017543, see http://www.fsc.org
[5] Can be recycled through commonly available recycling programs.