



HP T300 Color Inkjet Web Press

Transform your production environment with high-speed digital performance

Based on proven Thermal Inkjet Technology, this press delivers high productivity at a breakthrough cost on a range of applications, including books, direct mail, transactional printing,¹⁾ and newspapers.

Take your digital productivity to new heights

- Experience fast full-color, 100 percent variable content printing at full press speed—up to 400 feet (122 m) per minute.
- The HP T300 Color Inkjet Web Press is scalable in web width, up to 30 inches (762 mm)—minimum media width A4; print width, up to 29.1 inches (739 mm).
- Achieve consistent print quality while minimizing downtime with automated quality control features.
- Experience robust performance with a high duty cycle—up to 70 million letter-sized four-color images per month.
- HP's Graphics Workflow Solutions Portfolio and wide range of partner solutions enable maximum productivity across your entire production process.

Remove the barriers to digital adoption

- Combine a low purchase price with cost-effective operation enabled by reliable Original HP pigment inks and long-life HP Thermal Inkjet printheads.
- Add vivid, high-impact color without incurring excessive costs. You can purchase consumables as needed without click charges.
- Avoid operational disruptions with a press designed for reliable performance across the complete system.

Uncompromising color quality at full press speed

- With CMYK HP pigment inks and a 1200 x 600 dpi addressable resolution, the HP T300 Color Inkjet Web Press produces remarkable results with high-quality text, images, graphics, and uniform area fills.

- Unique HP Bonding Agent technology provides the flexibility to print on the low-cost, standard uncoated offset media you use today with outstanding image quality and durability.
- The HP T300 Color Inkjet Web Press is compatible with a wide range of media types and weights, including uncoated offset stock, newsprint, and inkjet-optimized coated papers.
- Look to uncoated papers with ColorPRO Technology as well as papers with HP high-speed coating technology for solutions optimized with HP pigment inks that further improve your print quality.
- Print with the environment in mind with water-based HP pigment inks and Bonding Agent.

Build a digital solution¹⁾ tailored to your business

- The HP Solutions team works with each customer to determine specific requirements and recommend end-to-end customized solutions.
- The team conducts an economic assessment of printing applications, along with a workflow gap analysis, in order to complete a customized workflow design, which is then tested and validated by HP engineers.
- The HP Graphics Workflow Solutions Portfolio offers a wide range of solutions partners to provide choices across each phase of the production process, from pre-press design and job management to finishing and fulfillment.

To learn more visit: www.hp.com/go/inkjetwebpress

¹⁾ In some cases, solutions based on the HP Inkjet Web Press platform will be available through an HP authorized reseller or systems integrator.

Technical specifications

Throughput	400 ft/min (122 m/min)
Resolution	1200 x 600 dpi addressable resolution
Media	Handling: Tight web continuous roll feed
	Types: Wide range of standard uncoated offset media and inkjet-optimized coated media
	Width: Up to 30 inches (762 mm) ¹⁾
	Weight: 40 to 350 gsm ²⁾
Printing	Technology: HP Thermal Inkjet
	Ink type: Water-based HP pigment inks and Bonding Agent
	Ink colors: CMYK
	Printheads: 4.25-inch (107,95 mm) printheads (140 count ³⁾)
	Ink drop: 6 picoliter (CMY and Bonding Agent); 9 picoliter (K)
	Printable width: Up to 29.1 inches (739 mm)
	Printable frame length: from 11 to 72 inches (27,94 to 182,88 cm)
	Duty cycle: 70 million letter-size equivalent full-color images/month
Input file formats	PDF 1.7, PDF/X-1a:2001, PDF/X-3:2002, PDF/X-3:2003, PDF/X-4, optimized PDF, AFP/IPDS ⁴⁾
Digital front-end	HP SmartStream Ultra Print Server for the HP T300 Color Inkjet Web Press
	Operating systems: Microsoft Windows Server 2003 R2
	Hardware: HP Proliant DL360/380, BL 460 Servers; Up to 6 terabytes of storage per RIP system ⁵⁾
	RIP core: Global Graphics Harlequin 8.0
	JDF version: Digital ICS version 1.3 ⁶⁾
	Color & quality: ICC version 4.0, device link profiles, CMYK, advanced half-toning
Dimensions (W x L x H)	124 x 748 x 109 in (3,15 x 19,00 x 2,77 m) ⁷⁾
Operating environment	Press operating temperature range: 59 to 86° F (15 to 30° C)
	Digital front-end operating temperature range: Refer to HP Proliant Server QuickSpecs on www.hp.com/go/proliant or consult your HP Solutions professional
	Humidity: Optimal 40 to 60% RH; maximum 15 to 80% RH (non-condensing)
Press operating requirements	Electrical voltage: 440 to 480 VAC
	Power consumption (typical during operation): 109 kW ⁸⁾
Consumables	Printheads: HP Printheads (separate printheads for CMYK colors and Bonding Agent)
	Ink supply: HP 200-liter Pigment Ink containers (separate containers for each color and Bonding Agent)
	Servicing: HP 10-pack Web Wipe Cassette
Optional equipment/configurations	Configuration options available to address specific printing requirements
	Dryer capacity
	Unwind and rewind units
	Paper handling options
	Work station options
	Qualified finishing solutions are available through HP Solutions partners⁹⁾
Warranty	Six-month limited warranty

¹⁾ Minimum media width A4.

²⁾ Standard for basic configuration is 40 to 200 gsm with option to upgrade.

³⁾ 70 printheads per print engine, two engines for two-sided printing system.

⁴⁾ AFP/IPDS input formats supported via partner solution offerings converting to PDF.

⁵⁾ Basic configuration includes: 8 x BL460 Blade Servers, 1 x DL 380 Server, 2 x MSA 50; configuration may vary based on specific customer solution requirements.

⁶⁾ Available mid-2010.

⁷⁾ Dimensions for standard configuration without optional rewinder attached; the following are dimensions with optional rewinder and optional additional access walkover: 124 x 859 x 109 in (3,15 x 21,82 x 2,77 m).

⁸⁾ Calculations are based on standard dryer configuration option. Typical power may vary based on print speed, ink density, dryer configuration, and settings.

⁹⁾ In some cases, solutions based on the HP Inkjet Web Press platform will be available through an HP authorized reseller or systems integrator.

ecoHIGHLIGHTS

HP T300 COLOR INKJET WEB PRESS

- Reduce waste with digital on-demand printing
- Water-based inks with very low VOCs* and no detected HAPs**
- Ink and Bonding Agent drums are material recyclable

* Volatile organic compounds; dryer and print zone exhaust systems, along with very low levels of VOC emissions enable an improved print shop work environment. Customers should consult state and local requirements and regulations.

** The inks were tested for Hazardous Air Pollutants per U.S. Environmental Protection Agency Method 311 (testing conducted in 2008) and none were detected. HAPs are air pollutants which are not covered by ambient air quality standards but which, as defined in the Clean Air Act, may present a threat of adverse human health effects or adverse environmental effects.

www.hp.com/ecosolutions



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Progressive Profitable Printing

