



HP T400 Color Inkjet Web Press

Create new business opportunities with a whole new class of digital production

With a scalable web width up to 42 inches (1066,8 millimeters), the HP T400 Color Inkjet Web Press offers extensive format flexibility and robust variable data processing capabilities ideal for the high-speed, high-volume production of customized campaigns.

Expand your versatility and boost your productivity

Capture new business opportunities with a press that enables offset-class print manufacturing capability.

- Up to 42 inches (1066,8 millimeters) web width and up to 41.75 inches (1060,4 millimeters) print width
- Print 16-page letter-sized book signatures and 4-up letter-sized direct mail; print two 20-inch jobs in parallel and slit at rewind for finishing on 20-inch off-line equipment
- Match productivity to your needs—this press is available in two versions—400 feet (122 meters) or 600 feet (183 meters) per minute
- A robust data pipeline, powered by the HP SmartStream Ultra Print Server, enables high-speed data processing for 100% variable content printing at full press speed
- Duty cycle up to 100 million—or up to 140 million—letter-sized, four-color images per month¹
- Increase total printing time with the optional quick roll changeover solution²—the zero-speed splicer reduces time required for loading and splicing rolls to the unwind unit
- Automated in-line process control enhances printing efficiency

Print high-quality results at full press speed

With CMYK HP pigment inks and HP printheads, this press produces remarkable results with sharp text, images, graphics, and uniform area fills at full press speed.

- Optimize press uptime with proven HP Scalable Printing Technology—multiple nozzles address each pixel to minimize print defects and reduce waste

- Float infrared (IR) dryers—configuration options scale capacity to your printing application requirements
- HP Bonding Agent allows you to print on low-cost, uncoated offset media with outstanding quality and durability
- Take advantage of broad media compatibility including standard uncoated offset stock and groundwood
- Achieve the highest print quality with uncoated ColorPRO papers and coated papers co-developed with industry-leading media partners

A sound investment—with low overall costs

High-volume production capacity, automation, and reliability enable low overhead production.

- Cost-effective operation enabled by reliable HP pigment inks and long-life HP thermal inkjet printheads
- HP printheads are individually replaceable by the user, without a service call
- Pay only for the ink you use—with no click charges, add high-impact color while keeping costs manageable
- 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

¹ US letter-sized equivalent images. Duty cycle is 100 million letter-sized four-color images per month at 400 feet (122 meters) per minute; 140 million images at 600 feet (183 meters) per minute.

² Available from qualified HP Solutions partners.

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

Technical specifications

Throughput	Two versions available: up to 400 ft/min (122 m/min); up to 600 ft/min (183 m/min)
Media	Handling: Tight web continuous roll feed Types: Wide range of standard uncoated offset media and inkjet-optimized coated media Paper width: 16 to 42 inches (406 to 1,076 mm) Weight: 40 to 350 gsm, ¹ 27-lb text to 130-lb cover
Printing	Print technology: HP thermal inkjet Native resolution: 1200 nozzles per inch Ink type: Water-based HP pigment inks and Bonding Agent Ink colors: CMYK Printable width: 16 to 41.75 inches (406 to 1,060 mm) Printable frame length: from 11 to 72 inches (27,94 to 182,88 cm) Duty cycle: 100 million letter-sized four-color images per month at 400 feet (122 meters) per minute; 140 million letter-sized four-color images per month at 600 feet (183 meters) per minute ²
Input file formats	PDF 1.7, PDF/X-1a, PDF/X-3, PDF/X-4, PDF/X-4p, PDF/X-5g, PDF/X-5pg, PDF/VT-1, PDF/VT-2, PDF/VT-2s; AFP/IPDS ³
Digital front-end	HP SmartStream Ultra Print Server for the HP T400 Color Inkjet Web Press Operating systems: Microsoft Windows 2003 Server R2 64 Bit Hardware: HP Proliant DL360/380, BL 460 Servers; Up to 60 terabytes of storage per RIP system ⁴ RIP: Global Graphics Harlequin 8.2 JDF version: 1.3 compliant Color & quality: ICC version 4.0, device link profiles, CMYK, advanced half-toning Speed: Scalable to run at press rated speeds
Dimensions (W x L x H)	174 x 822 x 117 in (4,4 x 20,9 x 3 m) ⁵
Operating environment	Press operating temperature range: Optimal 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: 400V to 480V, 3 phase
Consumables	Printheads: CH590A—HP A10 Magenta and Cyan Printhead; CH591A—HP A10 Black Printhead; CH592A—HP A10 Cyan Printhead; CH593A—HP A10 Magenta Printhead; CH594A—HP A10 Yellow Printhead; CH595A—HP A10 Bonding Agent Printhead Ink supplies: CH598A—HP A50 200-liter Black Pigment Ink; CH599A—HP A50 200-liter Cyan Pigment Ink; CH600A—HP A50 200-liter Magenta Pigment Ink; CH601A—HP A50 200-liter Yellow Pigment Ink; CH602A—HP A50 200-liter Bonding Agent Servicing: CH652A—HP 10-pack Web Wipe Cassette
High-quality media	For information on papers with ColorPRO Technology or co-developed coated papers, see www.hp.com/go/mediasolutions
Optional equipment/configurations	Configuration options available to address specific printing requirements MICR option: ⁶ CR290A—HP MICR Printhead; CR291A—HP 3-liter MICR Ink Dryer capacity Unwind and rewind units Paper handling options Work station options Zero-speed splicer option ⁷ Qualified finishing solutions are available through HP Solutions partners ⁸
Warranty	Six-month limited warranty

¹ Basic configuration supports 40 to 200 gsm; optional configuration available for up to 350 gsm.

² US letter-sized equivalent images.

³ AFP supported via partner solution offerings.

⁴ Configurations vary based on specific customer solution requirements.

⁵ Measured for configuration with standard unwinder and rewinder. Exact dimensions vary depending on configuration and options selected.

⁶ Currently available in the US only. MICR print speed is enabled up to 400 feet (122 meters) per minute.

⁷ Available from qualified HP Solutions partners.

⁸ In some cases, solutions based on the HP Inkjet Web Press platform will be available through an HP authorized reseller or systems integrator.

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

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ecoHIGHLIGHTS

HP T400 COLOR INKJET WEB PRESS

- Reduce waste with digital on-demand printing
- Water-based HP inks—no hazard warning labels; no HAPs intentionally added;¹ non-flammable and non-combustible²
- Very low VOC emissions³
- Free and convenient printhead recycling;⁴ ink drums are material recyclable

¹ Hazardous Air Pollutants (HAPs) may be present at extremely low levels (< 0.1%) according to EPA Method 311.

² Not classified as flammable or combustible liquids under the USDOT or international transportation regulations. These materials have been tested per US Environmental Protection Agency Method 1020 and the flash point is greater than 110°C.

³ Actual results may vary depending on operating conditions. Consult local authorities regarding Volatile Organic Compound (VOC) regulations in your area.

⁴ Visit www.hp.com/recycle to see how to participate and for HP Planet Partners program availability.

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