HP T300 Color Inkjet Web Press family

Accelerate business growth and streamline operations with high-speed digital performance

Increase your ability to respond to new opportunities and streamline your operations with the versatility, productivity, and performance of the HP T300 Color Inkjet Web Press family.

Grow profitably with high-speed productivity

Achieve exceptional full-color print speeds. Deliver on quick turnaround deadlines with web presses that offer print speeds up to 400 feet (122 meters) per minute, up to 600 feet (183 meters) per minute, and mono up to 800 feet (244 meters) per minute. The scalable, high-performance digital front end enables full-color, 100% variable printing at full press speeds[1].

Grow your business with flexibility, versatility. The HP T300 Color Inkjet Web Press family is scalable in web width up to 30 inches (762 millimeters) and print width up to 29.1 inches (739 millimeters). This enables efficient production of signatures, full-broadsheet formats, or multiple-up documents across a range of printing applications. Create new direct mail business opportunities with the optional HP Magnetic Ink Character Recognition (MICR) solution.[2]

Easy, automated quality control. Achieve consistent print quality while minimizing downtime. In-line process controls and diagnostics monitor printhead health as well as color-to-color and front-to-back side alignment, and enable easy adjustments to ensure the best possible results. Status reports help you make production run decisions and adjustments.

Experience robust performance with high duty cycles. With a robust design and duty cycles up to 75 million (HP T300), 105 million (HP T350), or 129 million (HP T360) mono letter-sized images per month[1], this digital printing system family is built for jobs formerly sent to an offset press.

Increase total printing time with the optional quick roll changeover solution. Convert manual roll splicing to an automatic process with the Zero-Speed Splicer. A fresh roll of paper can now be queued and the splice set up while the current roll feeds the press. Ideal for applications requiring in-line finishing, the Zero-Speed Splicer reduces the amount of time required for loading and splicing rolls to the unwind unit.

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

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[1] US letter-sized equivalent images

[2] Available in the U.S. and other regions. Consult your HP Inkjet High-speed Solutions account manager for availability

HP T300 Color Inkjet Web Press family

The high-productivity, 30-inch (762 millimeter) HP T300 Color Inkjet Web Press family breaks through cost and performance barriers. Meet deadlines and fast turnarounds for high-volume jobs with reliable, proven technology. Produce exceptional print quality at full press speeds.

A smart investment—with breakthrough economics

Accelerate your growth and your profit. Based on the latest generation of HP's proven, scalable Thermal Inkjet Technology, the HP T300 Color Inkjet Web Press family delivers high productivity at a competitive cost on a variety of media options. Broaden your digital printing services with high-value, full-color, 100% variable content printing. Improve your turnaround times with streamlined digital workflows. Also, increase profitability with reduced inventory and spoilage.

Enjoy cost-effective performance and low maintenance. The entire printing system is designed to provide cost-effective, low-maintenance performance. Reliable HP pigment inks and printheads are designed together with the press to maximize performance and keep maintenance expenses to a minimum. Each long-life HP Thermal Inkjet printhead can be replaced individually by the user with a snap-out/snap-in design, without a service call.

Pay only for the ink you use. With the HP T300 Color Inkjet Web Press family and Original HP inks, you pay only for the ink you use. This creates the flexibility to add high-impact color—from highlight to full—to improve communication effectiveness, while keeping costs manageable.

See high-quality results at full press speed

Experience reliable, high-quality printing. HP printheads are based on proven HP Scalable Printing Technology (SPT)—including a compact nozzle design with a native resolution of 1200 nozzles per inch—delivering high quality at every print speed with sharp text, images, graphics, and uniform area fills. SPT is designed to optimize press uptime—multiple nozzles address each pixel to minimize print defects and reduce waste.

Match efficient paper drying capability to your needs. Hot forced-air dryers deliver reliable and effective drying capability. To maintain print quality, settings can be adjusted according to the drying requirements of the print job to enable high-quality results. Designed for scalability, configuration options allow you to match dryer capacity to your printing application requirements.

Enjoy a wide range of offset media compatibility with HP Bonding Agent. The HP T300 Color Inkjet Web Press family supports a wide range of standard uncoated offset stock, groundwood, and newsprint. This is achieved with HP Bonding Agent, a colorless liquid applied only at the precise locations where ink is to be printed. This unique technology improves optical density and reduces strikethrough, enabling outstanding print quality on a wide range of standard, uncoated offset media. Supported media weights range from 40 up to 350 gsm.[3

Explore high-quality media options. To maximize system performance, HP enables high-quality media options designed for HP pigment inks and the HP T300 Color Inkjet Web Press family. Achieve the highest print quality with ColorPRO papers—from uncoated to high-speed coated papers—co-developed with industry-leading media partners. See www.hp.com/go/mediasolutions.

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

The HP T300 Color Inkjet Web Press family

Choose from three models. The T300 enables high-volume transformation for traditional print manufacturers requiring digital solutions that approach offset in terms of format size, productivity, and economics. The HP T350 Color Inkjet Web Press provides additional speed and dryer capacity that can be configured to match your print application requirements. The HP T360 Color Inkjet Web Press provides additional mono speed to meet your capacity needs. For a solution that meets your current needs with room for future growth, look to the HP T300 Color Inkjet Web Press—your investment is protected with the option to purchase an upgrade and field installation to the full capabilities of the HP T360 Color Inkjet Web Press.

High-touch, high-tech solutions customized for your printing success

HP Solutions expertise can help shorten your path to success and sharpen your competitive edge. HP's dedicated Solutions Team will work with you to determine your end-to-end requirements, and to recommend a solution customized to meet the specific demands of your business. Additionally, HP offers a full line of services to help you effectively run your digital printing business – from site preparation to training and service programs.

	HP T300 Color Inkjet Web Press	HP T350 Color Inkjet Web Press	HP T360 Color Inkjet Web Press
Speed	400 ft (122m) per minute full color	600 ft (122m) per minute full color	600 ft (122m) per minute full color 800 ft (122m) per minute mono
Duty cycle	75 million letter-sized images per month	105 million letter-sized images per month	105 million letter-sized images per month full color 129 million letter-sized images per month mono
Scalable web width	Up to 30 inches (762 millimeters)	Up to 30 inches (762 millimeters)	Up to 30 inches (762 millimeters)
Print width	Up to 29.1 inches (739 millimeters)	Up to 29.1 inches (739 millimeters)	Up to 29.1 inches (739 millimeters)
Print technology	HP Thermal Inkjet	HP Thermal Inkjet	HP Thermal Inkjet
Native resolution	1200 nozzles per inch	1200 nozzles per inch	1200 nozzles per inch
Dryer	Hot forced air[4	Hot forced air[4	Hot forced air[4
Media range	40 to 350 gsm[5	40 to 350 gsm[5	40 to 350 gsm[5

[4 HP T350 Color Inkjet Web Press image shown with Dryer Expansion Module.
[5 Basic configuration supports 40 to 200 gsm; optional configuration available for up to 350 gsm.

Technical Specifications

Throughput	Up to 400 ft/min (122 m/min) color with the HP T300 Color Inkjet Web Press
	Up to 600 ft/min (183 m/min) color with the HP T350 Color Inkjet Web Press
	Up to 600 ft/min (183 m/min) color and up to 800 ft/min (244 m/min) mono with the HP T360 Color Inkjet Web Press
Media	Handling: Tight web continuous roll feed
	Paper width: 8 to 30 inches (203 to 762 mm)
	Weight: 40 to 350 gsm,[6] 27-lb text to 130-lb cover
	Media types: Wide range of standard uncoated offset media and inkjet-optimized coated media
	ColorPRO media: For information on papers with ColorPRO Technology, see www.hp.com/go/mediasolutions
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: Up to 29.1 inches (739 mm)
	Printable frame length: from 11 to 72 inches (27,94 to 182,88 cm)
	Duty cycle: 75 million letter-sized equivalent full-color images/month
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[7]
Digital front-end	HP SmartStream Production Elite Print Server for the HP T300 Color Inkjet Web Press
	Operating systems: Microsoft Windows Server 2003 R2 60 Bit
	Hardware: HP ProLiant DL360/380, BL 460 Servers; Up to 60 terabytes of storage per RIP system[8]
	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)	124 x 748 x 119 in (3,15 x 19,00 x 3 m)[9]
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)[10]
Press operating requirements	Electrical voltage: 400V to 480V, 3 phase
	Power consumption (typical during operation): 109 kW[11]
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
	MICR option:[12] HP MICR printhead; HP 3-liter MICR ink
	Dryer capacity
	Unwind, rewind and moisturizer units
	Paper handling options
	Work station options
	Zero-Speed Splicer
	Qualified finishing solutions are available through HP Solutions partners[13]
Warranty	Six-month limited warranty

[6] Basic configuration supports 40 to 200 gsm; optional configuration available for up to 350 gsm.
[7] AFP supported via partner solution offerings.
[8] Configurations vary based on specific customer solution requirements.
[9] Dimensions above are for configuration with expanded dryer; without optional rewinder attached.
   The following are dimensions with optional rewinder and optional additional access walkover:
   124 x 859 x 119 in (3,15 x 21,82 x 3 m). Dimensions vary by configuration and options selected.
[10] Optimal operating environment may vary by application.
[11] Calculations are based on standard dryer configuration option. Typical power may vary based on
   print speed, ink density, dryer configuration, and settings.
[12] Available in the U.S. and other regions. Consult your HP Inkjet High-speed Solutions account
   manager for availability in your region. MICR print speed is enabled up to 400 feet (122 meters)
   per minute.
[13] In some cases, solutions based on the HP Inkjet Web Press platform will be available through an HP
   authorized reseller or systems integrator.

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