HP PageWide Web Press
T250 HD with HP Brilliant Ink

The new standard for high-volume production inkjet web presses
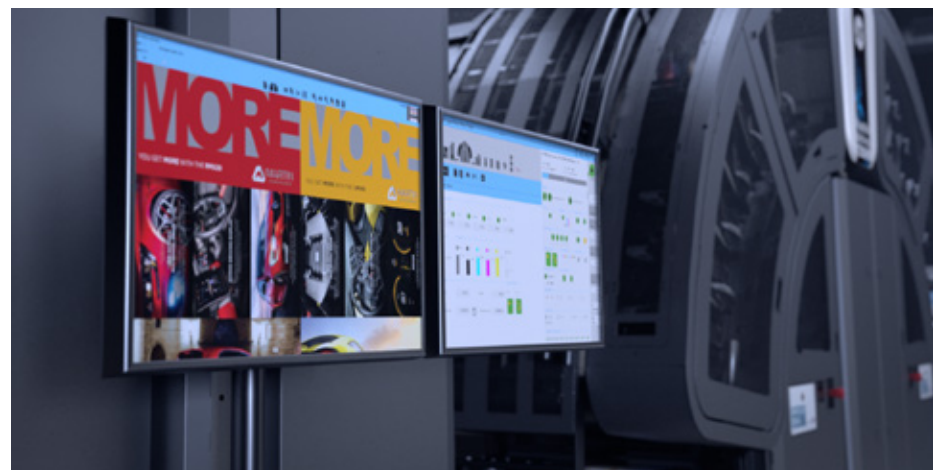
Uncompromising image quality across a broad range of applications

Impress your customers with offset-class print quality from the first press featuring HP Brilliant Ink. The T250 HD sets a new standard for high volume production inkjet by enabling more applications – commercial, direct mail, publishing, and transactional – by printing directly to uncoated and coated offset media, all in one press.

• HP's proven High Definition Nozzle Architecture (HDNA) technology provides 2400 nozzles per inch, dual drop weight capability, and up to 8x nozzle redundancy to deliver unprecedented image detail with smooth skin tones and incredible shadow detail.

• Enjoy glossy, eye catching color with deep reds and dazzling blues with inks that produce a wide, more vivid color gamut while maintaining or exceeding sheet gloss on offset coated gloss media.

• Deliver uncompromising color consistently with HP's set of on-press and pre-press color management tools, including the HP SmartStream Color Studio.

Achieve consistent quality and increased uptime with quality control in full color

The HP T250 HD features a new color Vision System which displays active, print job content in full color. The vision system also includes the HP Quality Image Check (QUICK) Vision System, which directly compares RIP output to printed image for true "what you see is what you get" performance.

Grow your portfolio with unrivalled versatility

With HP as your trusted partner, you have the advantage of the world's most diverse industry leader with an entire end-to-end ecosystem to help your digital business thrive and add value to your bottom line for years to come.

- Produce great results across a broad range of media with the all-digital HP Optimizer which provides smooth color gradients and fills on offset coated, including gloss, matte, and silk, while also delivering high optical density and reduced show through on uncoated media.
- Expand media and application choice even further with HP's ColorPRO media program which partners with industry leading paper mills to produce media optimized for HP Brilliant Ink.
- Enhance your portfolio and confidently deliver vibrant, glossy output with mail stream durability with the addition of the optional, ExcelCoatZRW Duplex Web Coater. This aqueous/UV post-coater by Harris & Bruno seamlessly integrates with the HP T250 HD for maximum productivity and easy, efficient operation.
- Streamline print production with HP's SmartStream workflow products and finishing partners. HP partners offer greater flexibility with specific solutions to address key market segments that are customizable and scalable to your unique business needs.

Increase profitability with proven color productivity

See substantial ROI with low comparative running cost per page and deliver on-demand with print speeds of up to 500 fpm.[1] Only HP offers state-of-the-art upgrades with every PageWide web press.

- Increase your productivity with HP's Smart Mode Suite including Multi-Roll Printing (MRP) mode that allows roll changes without stopping or slowing the press with no reprints required during the splice.
- Enjoy the benefits of mass customization — make every page unique and print at full press speeds with HP SmartStream Production Elite Printer Servers.
- Maximize your ROI through HP's promise of upgradability as technology is made available for your current PageWide press for a fraction of a new press cost.

COLOR**PRO**
T E C H N O L O G Y

[1] In Performance and Performance HDK modes.

Eco highlights

- Reduce waste with digital on-demand printing
- Water-based HP inks—no HAPs intentionally added[*]; non-flammable and non-combustible[**]
- Low VOC emissions[***]
- Free and convenient printhead recycling[****]

To Learn more:
hp.com/ecosolutions
hp.com/recycle

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

[**] 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

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

[****] Visit hp.com/recycle to see how to participate and for HP Planet Partners program availability

Increase competitiveness with customized solutions

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.

Transform your business with HP Service Edge

Running a successful print business means always staying ahead of the competition with game-changing innovation. HP wants to be on your team, to advise you and help prepare and build your digital print business, optimize and automate your end to end workflows, and help you grow your business with leading edge digital print capabilities. HP will work closely with your team from day one to better equip your people with the expertise needed to achieve independence in your print operation, and as market needs change, to help grow and transform your digital print production capabilities. With HP's extensive experience in graphics printing, you can move ahead with peace of mind and confidence that your HP PageWide Web Press investment is working hard to maximize your return on investment from day one. And with HP Service Edge, you will also have a team working with you, to assist and guide you on your digital journey, to enable and fuel your business success.

Take advantage of the Smart Printing Experience

PrintOS is an operating system for your business—an open, secure cloud-based platform that helps you get more out of your HP PageWide Web Presses and print production operations. With applications such as Knowledge Zone, Insight, Print Beat, and the PrintOS mobile app, the data and knowledge you need is always at your fingertips. Leverage PrintOS applications to increase efficiency, make better-informed decisions, innovate, collaborate, drive growth, and increase profitability.

Technical specifications

		HP PageWide Web Press T250 HD
Throughput	Performance mode[1]	Up to 500 ft (152 m) per minute
	Performance HDK mode[2]	Up to 500 ft (152 m) per minute
	Quality mode[3]	Up to 250 ft (76 m) per minute
Max Duty cycle	Performance mode[1]	62 million U.S. letter images per month
	Performance HDK mode[2]	62 million U.S. letter images per month
	Quality mode[3]	34 million U.S. images per month
Media		Handling: Tight web continuous roll feed Paper width: 8 to 22 in (203 to 558 mm) 40 to 250 gsm or up to 10 pt. 30 to 170-lb text, 90-lb cover[4] Media types: Wide range of standard offset coated including glossy, silk, and matte, and uncoated media and inkjet-optimized coated ColorPRO media.
Printing		Print technology: Thermal Inkjet, including HP High Density Nozzle Architecture Native resolution: 2400 nozzles per inch, including up to 8x nozzle redundancy Ink type: Environmentally friendly HP Brilliant B60 Pigment Ink and HP Optimizer Ink colors: CMYK, MICR option Printable width: Up to 20.5 in (521 mm) Printable frame length: From 8.5 to 72 in (216 to 1829 mm)
Dimensions (W x L x H)		117 x 455 x 107 in (3 x 11.6 x 2.7 m)[5]
Operating environment		Press operating temperature range: Optimal 64 to 75º F (18 to 24º C) Digital front-end operating temperature range: Refer to HP SmartStream Production Elite Print Server data sheet or consult your HP Solutions professional Humidity: 40 to 60% RH
Press operating requirements		Electrical voltage: 400V to 480V, 3 phase
Consumables		Printheads: HP B62 printheads (separate printheads for CMYK colors and HP Optimizer) Ink supplies: HP Brilliant B60 200-liter Ink containers (separate containers for each color and HP Optimizer) Servicing: HP 10-pack Web Wipe Cassette
Standard configurations		HP Color Vision System with HP Quality Image Check (QUICK) Vision System Color Calibration
Optional equipment/ configurations		Configuration options available to address specific printing requirements • Extended dryer capacity • Expanded Digital Front End (DFE) capacity • HP SmartStream Color Studio • Unwind and rewind units including zero speed splicers • Remote work station accessory • MICR
Warranty		Six-month limited warranty

Press performance can be influenced by a variety of factors including press, dryer and digital front end configuration, print speed, media selection, print application, and environmental factors. For further details, please ask your HP representative.

[1] Performance mode delivers high quality using single (or high) drop weights.
[2] Performance HDK mode delivers higher quality using dual drop weights on black ink at Performance mode speed.
[3] Quality mode delivers the highest quality using dual—low and high—drop weights.
[4] Press configuration supports 40-250 gsm and up to 10 pt. Customer application-specific testing advised for media between 40-60 gsm or 215-250 gsm or greater than 9 pt.
[5] Dimensions for standard configuration with optional unwinder and rewinder.

To Learn More:
hp.com/pagewidewebpressT250