

Data sheet

# HP PageWide Web Press T300 HD Color series



Outstanding quality, economics, and productivity



**Build a competitive advantage with outstanding quality and amazing economics.**

**The HP PageWide Web Press T300 HD Color series delivers outstanding image quality and enhanced productivity in a platform that's ideal for your publishing business. Expand into new applications with added versatility and breakthrough economics.**

## Outstanding image quality on a broad range of applications

HP High Definition Nozzle Architecture (HDNA) completely raises the bar in digital color quality, using 2400 nozzles per inch native resolution and dual drop weight to deliver image detail like never before. The result: image quality ideal for demanding applications in publishing, direct mail, and commercial print.

- See outstanding image quality with smooth skin tones and incredible shadow detail with HP HDNA's 2400 nozzles per inch native resolution and dual drop weight
- Produce top notch results with continuous alignment—the press continuously monitors and actively adjusts color-to-color registration to provide consistent quality throughout a run
- Deliver uncompromising color consistently with HP's set of on-press and pre-press color management tools, including the HP SmartStream Color Studio
- Maximize your press's production availability with easy, automated quality control features. The HP PageWide Web Press T300 HD family provides multiple ways to check quality during a print run, including the optional HP Quality Image Check Vision System, which monitors nozzle health by selectively comparing the RIP output to the printed image.



## Exceptional productivity with HP HDNA technology

Take on more jobs and print them faster with unprecedented color digital performance on a 30-inch platform—enabling profitable short- and mid-run jobs. Revolutionary HP HDNA delivers reliable printing at amazing speeds, producing over 390,000 pages per hour in full color Performance mode.<sup>1,3</sup>

- Accelerate your performance and meet demanding turnaround times with incredibly fast productivity in Performance<sup>1</sup> and Quality<sup>2</sup> modes
- Make easy work of high production volume with a duty cycle of up to 157 million images per month<sup>3</sup>
- HP HDNA thermal inkjet technology with 8X nozzle redundancy delivers reliable production quality
- Multi-roll printing with optional zero speed splicer enables profitable high copy count production runs
- Provide mass customization—make every page unique and print at full press speeds with HP SmartSteam Elite Production Print Server

## Grow your application and business reach

This publishing-focused platform provides greater versatility for more profitable printing on a wide range of applications and media types. User-selectable Performance<sup>1</sup> and Quality<sup>2</sup> modes allow flexibility to produce jobs that drive business growth.

- The 30-in web width enables efficient production of signatures, full-broadsheet formats, or multiple-up documents across a range of applications
- Produce high-quality prints on every category of media, including matte and gloss offset coated media with HP Priming Agent and offset uncoated media with HP Bonding Agent
- Greater choice—work with a broad range of ColorPRO and compatible inkjet papers certified by the HP Media Certification Program
- Configure dryer capacity for your printing application requirements

## A smart investment with amazing economics

The HP PageWide Web Press T300 HD Color series delivers high productivity at a competitive cost on a variety of media options. Experience low-cost, low-maintenance performance with reliable HP pigment inks and printheads. With HP's proven track record of upgrading existing customer presses, you can benefit from technological advances and new functionality with this smart investment. Existing HP customers are also invited to upgrade their current web presses to HDNA.

- This solution reliably delivers quality suitable for a broad range of applications with attractive economics
- Upgradable solution grows with your business—upgrade to faster speeds, more drying capacity, more DFE processing power; get what you need today and scale capacity as your business grows
- Upgrade ramp-up support to boost productivity; business development support helps fuel business growth

## Reinvent your operations and business

HP 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 your print production operations. Leverage HP PrintOS applications to increase efficiency, make better-informed decisions, innovate, collaborate, drive growth—and increase profitability.

<sup>1</sup> Performance mode delivers high quality using single (or high) drop weights.

<sup>2</sup> Quality mode delivers the highest quality using dual drop weight nozzles.

<sup>3</sup> US letter-sized equivalent images.

**Eco highlight**

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

**To Learn more:**

[hp.com/ecosolutions](http://hp.com/ecosolutions)  
[hp.com/recycle](http://hp.com/recycle)



HP A50 PageWide Web Press Inks have achieved UL Sustainable Product Certification (under UL 2801, referred to as CCD-040, an EcoLogo® standard, in Canada), which demonstrates that they meet a range of stringent criteria related to human health and environmental considerations. You can learn more about this certification at [ul.com/environment](http://ul.com/environment)

\* 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](http://hp.com/recycle) to see how to participate and for HP Planet Partners program availability.

**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 PageWide Web Press T390 HD	HP PageWide Web Press T380 HD	HP PageWide Web Press T370 HD
<b>Max speed</b>	Performance mode <sup>1</sup>	305 m (1000 ft) per minute	244 m (800 ft) per minute	183 m (600 ft) per minute
	Quality mode <sup>2</sup>	152 m (500 ft) per minute	152 m (500 ft) per minute	152 m (500 ft) per minute
<b>Max duty cycle</b>	Performance mode <sup>1</sup>	157 million images per month	135 million images per month	108 million images per month
	Quality mode <sup>2</sup>	93 million images per month	93 million images per month	93 million images per month

**Enhance your productivity with HP Services**

HP Services offers you the broadest portfolio of proven service programs to keep your business running productively. Our certified service teams are committed to meeting your end-to-end needs for accelerated ramp-up, increased system utilization and maximum up time, driving your business productivity and sustainability for a profitable printing operation. Learn more at [hp.com/go/webpressservice](http://hp.com/go/webpressservice)



<sup>1</sup> Performance mode delivers high quality using single (or high) drop weights.  
<sup>2</sup> Quality mode delivers the highest quality using dual drop weight nozzles.  
<sup>3</sup> US letter-sized equivalent images.

## Technical specifications

	HP PageWide Web Press T390 HD	HP PageWide Web Press T380 HD	HP PageWide Web Press T370 HD
<b>Throughput</b>	Up to 305 m/min (1000 ft/min) <sup>4</sup>	Up to 244 m/min (800 ft/min) <sup>4</sup>	Up to 183 m/min (600 ft/min) <sup>4</sup>
<b>Max duty cycle</b>	157 million mono/color letter-sized images per month at 305 m (1000 ft) per minute <sup>5</sup>	135 million mono/color letter-sized images per month at 244 m (800 ft) per-minute <sup>5</sup>	108 million letter-sized four-color images per month at 183 m (600 ft) per minute <sup>5</sup>
<b>Media</b>	Handling: Tight web continuous roll fed Paper width: 203 to 762 mm (8 to 30 in) Media weight: 40 to 350 gsm, 30-lb text to 130-lb cover <sup>6</sup> Media types: Wide range of standard uncoated offset media, inkjet-optimized coated media, ColorPRO media series, and offset coated media with HP Priming Agent: For information on papers with ColorPRO Technology, see <a href="http://hp.com/go/webpressmediaink">hp.com/go/webpressmediaink</a>		
<b>Printing</b>	Print technology: HP High Definition Nozzle Architecture Thermal Inkjet Native resolution: 2400 nozzles per inch Ink type: Water-based HP pigment inks and Bonding Agent Ink colors: CMYK Printable width: up to 739 mm (29.1 inches) Printable frame length: from 216 to 2743 mm (8.5 to 108 in)		
<b>Dimensions</b>	(W x L x H) 3.15 x 19 x 3 m (124 x 748 x 119 in) <sup>7</sup>		
<b>Operating environment</b>	Press operating temperature range: Optimal 18°–24°C (64°–75°F) Digital front-end operating temperature range: Refer to HP ProLiant Server QuickSpecs on <a href="http://hp.com/go/proliant">hp.com/go/proliant</a> or consult your HP Solutions professional Humidity: 40 to 60% RH <sup>8</sup>		
<b>Press operating requirements</b>	Electrical voltage: 400V or 480V, 3 phase		
<b>Consumables</b>	Printheads: HP A53 printheads (separate printheads for CMYK colors and HP Bonding Agent) Ink supply: HP 200-liter pigment ink containers (separate containers for each color and HP Bonding Agent) Servicing: HP 10-pack Web Wipe Cassette		
<b>Optional equipment/ configurations</b>	Configuration options available to address specific printing requirements: <ul style="list-style-type: none"> <li>• Dryer capacity</li> <li>• Digital Front End</li> <li>• Color calibration</li> <li>• HP Priming Agent</li> <li>• HP SmartStream Color Studio</li> <li>• HP Quality Image Check Vision System</li> <li>• Unwind and rewind units, including auto splicing</li> <li>• Remote work station</li> </ul>		
<b>Warranty</b>	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.

<sup>4</sup>Performance mode delivers high quality using single (or high) drop weights.

<sup>5</sup>US letter-sized equivalent images.

<sup>6</sup>Basic configuration supports 40 to 350 gsm. Customer application specific testing advised for media between 40–60 gsm and 300–350 gsm.

<sup>7</sup>Dimensions above are for configuration with expanded dryer, without optional rewinder attached. The following are dimensions with optional rewinder and optional additional access walkover: 3.15 x 21.82 x 3 m (124 x 859 x 119 in). Dimensions vary by configuration and options selected.

<sup>8</sup>Optimal operating environment may vary by application.

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