

# HP PageWide Web Press T400 HD Color series



Your high-volume, high-quality, versatile,  
digital inkjet printing press



**Opportunities abound with the HP PageWide Web Press T400 HD series—a digital production printing press designed for a broad range of applications.**

**Produce outstanding quality—with fine grain, smooth skin tones, and incredible shadow detail. Do more, and still meet tight turnaround times with the most productive press on the market<sup>1</sup>—produce over 8700 full color pages per minute.<sup>2</sup> Unleash the power of digital and make every page unique. This press is designed for upgradability, so your investment is protected against future technology advances.**

## Outstanding image quality—print 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 T400 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.

<sup>1</sup> Productivity based on internal HP testing and methodology compared to color inkjet presses currently installed for publishing, direct mail, and commercial printing as of March, 2016.

<sup>2</sup> In Performance mode



“With the HP PageWide Web Press T490 HD, we’ve got the print quality and production speed to expand into high-end color trade books and photo books, brochures, magazines, and retail catalogs. Our customers tell us they can’t believe that it’s digital printing. This is a real breakthrough into the offset world”.

– Giovanni Antonuzzo, CEO, Rotomail Italia S.p.a

## World-class digital productivity<sup>1</sup> with HP HDNA technology

Take on more jobs and print them faster with unprecedented color digital performance—enabling profitable short and mid-run jobs. Revolutionary HP HDNA delivers reliable printing at amazing speeds, producing over 500,000 pages per hour in full color in Performance mode.<sup>3</sup>

- Accelerate your performance and meet demanding turnaround times with incredibly fast productivity in Performance<sup>3</sup> and Quality<sup>4</sup> modes
- Make easy work of high production volume with up to 210 million images per month duty cycle<sup>5</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



		HP PageWide Web Press T490 HD	HP PageWide Web Press T480 HD	HP PageWide Web Press T470 HD
<b>Max Speed</b>	Performance mode <sup>3</sup>	305 m (1000 ft) per minute	244 m (800 ft) per minute	183 m (600 ft) per minute
	Quality mode <sup>4</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>3</sup>	210 million images per month	180 million images per month	145 million images per month
	Quality mode <sup>4</sup>	125 million images per month	125 million images per month	125 million images per month

## Grow your application and business reach

Watch opportunities increase with this press. Its amazing versatility enables more profitable printing on a wide range of applications and media types. Add more value to your clients with 100% variable data digital inkjet printing. Expanded dryer configurations, with user-selectable Performance<sup>3</sup> and Quality<sup>4</sup> modes, allow flexibility to produce jobs that drive business growth.

- With a 42-inch web width, your application options are virtually unlimited—take on posters, banners up to 108 in, journals, books, catalogs, magazines, direct mail, commercial print, newspapers, and more
- 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
- Scalable drying capacity—print at fast speeds and high coverages on an expansive selection of paper types, including offset coated media

## Smart investment can enable profitable growth now and in the future

With HP HDNA, HP proves again that it is the smart investment for web press solutions. HP has a proven track record of upgrading existing customer presses, allowing them to benefit from technological advancements and profit from new functionality. Existing HP customers are invited to upgrade their current web presses to HDNA.

- Reliably deliver quality suitable for a broad range of applications at attractive economics
- No click charges—optimize output while controlling costs with HP; pay only for the consumables you use
- Upgrade ramp-up support to boost productivity; business development support to fuel business growth
- 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 with your business

<sup>1</sup> Productivity based on internal HP testing and methodology compared to color inkjet presses currently installed for publishing, direct mail, and commercial printing as of March, 2016.

<sup>3</sup> Performance mode delivers high quality using single (or high) drop weights.

<sup>4</sup> Quality mode delivers the highest quality using dual drop weight nozzles.

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



## Introducing a new era of quality and productivity—and more—with HP HDNA technology

Significantly boost productivity, extend your application reach, deliver outstanding quality, and ultimately transform your business with revolutionary HP High Definition Nozzle Architecture (HDNA) on HP PageWide Web Presses.

Advancements enabled by HP HDNA deliver visibly superior image quality compared to existing HP Inkjet Web Presses. Enhancements, including 2400 nozzles per inch native resolution, built-in nozzle redundancy, and continuous alignment deliver the outstanding quality required of demanding applications, such as color trade publications, medical texts and journals, and high-end retail brochures and catalogs.

Choose the HP PageWide Web Press that best meets your needs today—in terms of format size, speed, duty cycle—and scale capabilities as your business grows. All HP HDNA enabled presses improve economics through greater print efficiencies—reduced chip out, minimal gap, and the ability to print on-ramp. This technology also offers investment protection. Upgrade your existing press to HP HDNA today and rest easy knowing this HP PageWide Web Press T400 HD series will continue to benefit from future innovation.

### 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 solutions architects will work with you to determine your end-to-end requirements, and to discuss a solution customized to meet the specific demands of your business.

## 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, driving your business productivity and sustainability for a profitable printing operation. Learn more at [hp.com/go/webpressservice](http://hp.com/go/webpressservice)

## HP's digital leadership—taking your business into the future

Transform your business today. HP's latest series of PageWide Web Presses include game-changing HP HDNA technology that not only enhances your product offering, but also changes the way you serve your customers. When you partner with HP—a leader in digital printing technology—you gain the support and backing of an industry powerhouse. Plus you create a distinct advantage for your business as you leverage HP's decades-long technology development, 4500 patents in the last 10 years alone, and significant R&D investment to drive continued innovation.

## Reinvent your operations and business

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 PrintOS applications to increase efficiency, make better-informed decisions, innovate, collaborate, drive growth—and increase profitability

## Technical Specifications

	HP PageWide Web Press T490 HD	HP PageWide Web Press T480 HD	HP PageWide Web Press T470 HD
<b>Throughput</b>	Up to 305 m/min (1000 ft/min) <sup>3</sup>	Up to 244 m/min (800 ft/min) <sup>3</sup>	Up to 183 m/min (600 ft/min) <sup>3</sup>
<b>Max Duty cycle</b>	210 million mono/color images per month at 305 m (1000 ft) per minute <sup>6</sup>	180 million mono/color images per month at 244 m (800 ft) per-minute <sup>6</sup>	145 million four-color images per month at 183 m (600 ft) per minute <sup>6</sup>
<b>Media</b>	Handling: Tight web continuous roll fed Paper width: 406 to 1067 mm (16 to 42 in) Media Weight: 40 to 350 gsm, 30-lb text to 130-lb cover <sup>7</sup> Media types: Wide range of standard uncoated offset media, inkjet-optimized coated media, ColorPRO media and offset coated media with HP Priming Solution: 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 1060 mm (41.7 inch) Printable frame length: from 216 to 2743 mm (8.5 to 108 in)		
<b>Dimensions</b>	(W x L x H) 4.4 x 17.6 x 3.4 m (174 x 693 x 132 in) <sup>8</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>9</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 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		
<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 Solution</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>• Motorized Thread up option</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>3</sup> Performance mode delivers high quality using single (or high) drop weights.

<sup>6</sup> US letter-sized equivalent images.

<sup>7</sup> Basic configuration supports 40 to 350 gsm. Customer application specific testing advised for media between 40-60 gsm and 300-350 gsm.

<sup>8</sup> Dimensions above are for configuration with standard unwinder; without optional rewinder attached. The following are dimensions with optional rewinder and optional additional access walkover: 4.4 x 21.7 x 3.4 m (174 x 853 x 132 in). Dimensions vary by configuration and options selected; additional space may be required for clearances, maintenance and roll operations.

<sup>9</sup> Optimal operating environment may vary by application.

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