Data sheet

HP PageWide Web Press T490 Mono HD

Unprecedented offset substitutable high-speed inkjet web press

Master your market with unprecedented monochrome productivity

Take advantage of a monochrome press that delivers exceptional print speeds, enhanced throughput, and high quality results—via sharp, crisp text, and high black optical density. Perfect for short or long runs, the robust HP PageWide Web Press T490M HD delivers the speed and quality you need to replace offset for many jobs.

Enhance your productivity with HP Service Edge

Running a successful print business means always staying ahead of the competition with game-changing innovation. We're on your team from day one to better equip your people with expertise and independent issue resolution, drive greater efficiency with smart data systems, and help grow and transform your business. With the HP Service Edge, you can move ahead with peace of mind and confidence that your HP PageWide Web Press investment is working hard to return the highest levels of productivity day after day. With professional business solutions, we're working together with you to fuel your business success.

[1] In Performance mode
[2] US letter-sized equivalent images

World-class digital productivity with HP HDNA technology
• Meet tight deadlines – fast mono speeds up to 305 m (1000 ft) per minute[1]
• Replace offset for many jobs, with a robust duty cycle up to 200 million images per month[1,2]
• Deliver high-volume jobs quickly, with a scalable web width up to 1067 mm (42 in)
• Efficiently produce common formats and signatures to drive a variety of high speed finishing solutions, in-line or near-line
• Increase total printing time with the optional Zero-Speed Splicer quick roll changeover solution
• Optimize press uptime with proven HP Scalable Printing Technology— with 8X nozzle redundancy to minimize print defects and reduce waste

Create an advantage with outstanding print quality
• HP High Definition Nozzle Architecture (HDNA) completely raises the bar in digital quality, using 2400 nozzles per inch native resolution and dual drop weight to deliver image detail like never before
• See outstanding print quality in the form of sharp text and high black optical density
• Use HP Bonding Agent to gain flexibility across a broad range of media, including standard uncoated offset, ground wood, and newsprint

Increase profitability with compelling economics
• Reduce costs and boost your profit potential with highly productive monochrome printing from HP
• Get the HP commitment you demand with market and business development, and expert technical support
• Original HP inks and long-life HP Thermal Inkjet printheads provide consistent, reliable performance

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

Throughput	Up to 305 m/min (1000 ft/min)[1]; up to 152 m/min (500 ft/min)[2]
Max Duty cycle	200 million images per month[1,3]
Native resolution	2400 nozzles per inch
Media	Handling: Tight web continuous roll feed Paper width: 406 to 1067 mm (16 to 42 in) Weight: 40 to 350 gsm, 30-lb text to 130-lb cover[4] 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 hp.com/go/webpressmediaink
Printing	Print technology: HP High Definition Nozzle Architecture Thermal Inkjet Ink type: Water-based HP pigment inks and Bonding Agent Ink colors: Black Printable width: Up to 1060 mm (41.7 inch) Printable frame length: from 216 to 2743 mm (8.5 to 108 in)
Dimensions (W x L x H)	(W x L x H) 4.4 x 17.6 x 3.4 m (174 x 693 x 132 in)[5]
Operating environment	Press operating temperature range: Optimal 18⁰-24⁰C (64⁰-75⁰F) Digital front-end operating temperature range: Refer to HP ProLiant Server QuickSpecs on hp.com/go/ProLiant or consult your HP Solutions professional Humidity: 40-60% RH[6]
Press operating requirements	Electrical voltage: 400V to 480V, 3 phase Power consumption (typical during operation): 176kW[7]
Consumables	Printheads: HP A53 printheads (separate printheads for Black and Bonding Agent) Ink supplies: HP 200-liter ink containers (separate containers for Black and Bonding Agent) Servicing: HP 10-pack Web Wipe Cassette
Optional equipment/ configurations	Configuration options available to address specific printing requirements: • Dryer capacity • Digital front end • Color Calibration • Unwind and rewind units, including auto splicing • HP Priming Solution • HP SmartStream Color Studio • HP Quality Image Check Vision System • Motorized Threader Option • MICR
Warranty	One-year 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.

ECOLOGO

PRODUCT CERTIFIED FOR REDUCED ENVIRONMENTAL IMPACT. VIEW SPECIFIC ATTRIBUTES EVALUATED: UL.COM/EL
UL 2801

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

[1] In Performance mode.
[2] In Quality mode.
[3] US letter-sized equivalent images.
[4] Basic configuration supports 40 to 350 gsm. Customer application specific testing advised for media between 40-60 gsm and 300-350 gsm.
[5] 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.
[6] Optimal operating environment may vary by application.
[7] Calculations are based on a two zone dryer configuration option. Typical power may vary based on print speed, ink density, dryer configuration, and settings.

Learn more at
hp.com/go/pagewidewebpress

This is an HP Indigo digital print.