



HP Inkjet Web Press

Overview

The HP Inkjet Web Press, a digital printing platform built on HP's proven Scalable Printing Technology (SPT), extends digital printing from niche application to mainstream production enabling the transformation of business processes in the direct mail, transactional and transpromotional printing, book publishing, and newspaper industries.

Through its unprecedented combination of print width, productivity, color quality and economics, the HP Inkjet Web Press helps graphic arts businesses increase responsiveness, creates new revenue opportunities by printing full-color pages with 100 percent variable content, and streamlines operations by reducing labor, inventory and spoilage.

The HP Inkjet Web Press features scalable web width – up to 30 inches (762-mm) – to enable efficient production of a full range of flexible imposition options, such as 12- and 16-page book signatures, full-broadsheet newspaper formats and multiple-up documents. With a maximum speed of 400 feet (122 m) per minute and an addressable printing resolution of 1,200 x 600 dpi (dots per inch), the HP Inkjet Web Press delivers image quality and durability on any low-cost, uncoated paper using a bonding agent and features a writing system designed for reliable pixel printing. Both standard, uncoated media as well as a range of coated media are supported.

The HP Inkjet Web Press offers attractive capital acquisition and operating costs, including the ability to purchase consumables as needed without click charges.

Key features and benefits

- 762-mm (30-inch) web width for efficient production of signatures, full-broadsheet newspaper forms or multiple-up documents
- Next-generation, four-color (CMYK) production printing at 1,200 x 600 addressable resolution, enabling multi-drop halftone printing at the full press speed of 400 feet (122 m) per minute (up to 2,600 U.S. Letter A or A4 pages per minute)
- Easy serviceability with user-replaceable parts, including printheads, to minimize maintenance and downtime
- Automation features for printhead alignment, printhead servicing, press status management, and ink container swapping
- In-line, real-time print process monitoring
- Average monthly page volumes of 30 million double-sided impressions with a maximum duty cycle of 70 million impressions
- Integration with HP SmartStream Solutions Portfolio, including:

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- Workflow solutions designed to provide greater automation and significantly reduce the need for human intervention throughout the production process
- Partner solutions for books, newspapers, direct mail, and transaction printing from companies including CMC, EMT, Hunkeler, Mueller Martini, Pitney Bowes and Timsons.

Inks and media

- HP water-based pigment inks designed for the HP Inkjet Web Press offer high-quality monochrome and full-color printing at full press speed
- HP water-based inks are non-flammable and non-combustible,⁽¹⁾ have very low VOC (Volatile Organic Compound) emissions,⁽²⁾ do not emit ozone, and contain no HAPs (Hazardous Air Pollutants)⁽³⁾
- HP's unique bonding agent technology improves image quality and durability, and reduces strikethrough on a wide range of uncoated roll media for transactional/transpromotional printing, direct mail, book and newspaper publishing
- HP's coated media are designed with HP pigment inks for highest quality at full press speed

Availability

The HP Inkjet Web Press is scheduled for availability in the fall of 2009.

More information is available at www.hp.com/go/inkjetwebpress.

⁽¹⁾ HP water-based pigment inks and the bonding agent for the web press are not classified as flammable or combustible liquids under the USDOT or international transportation regulations. These materials have been tested per U.S. Environmental Protection Agency Method 1020 and the flash point is greater than 110 degrees Celsius.

⁽²⁾ No ozone products expected based on ink composition and printing technology.

⁽³⁾ The inks were tested for Hazardous Air Pollutants per U.S. Environmental Protection Agency Method 311 (testing conducted in 2008) and none were detected. HAPs are air pollutants that are not covered by ambient air quality standards but that, as defined in the Clean Air Act, may present a threat of adverse human health or environmental effects.

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