

PROSPER
6000PFOR MEDIUM-TO-
LOW INK COVERAGE
APPLICATIONS

Next-generation printing—today

Kodak has raised the bar again in digital color printing. The **Prosper 6000P** Press with Intelligent Print System (IPS) resets printing industry standards, with an unmatched combination of outstanding quality, day-to-day productivity, and compelling economics. It's a system that's well suited for producing a range of high page-count/medium-to-low ink coverage documents, including color or monochrome trade books, marketing and law books, text and workbooks, direct mail, letter solicitations, inserts, newspapers, catalogs and magazines.

The **Prosper 6000P** Press leverages technical innovations and next-generation capabilities that are unlike those of any other press. Its Intelligent Print System technology is an intelligent management system that constantly monitors and evaluates press operation to ensure exceptional output quality and efficient throughput. Further innovations in press design, drying, digital front end and imaging systems combine to deliver the highest levels of reliability, print speed, application flexibility, and ease of use.

Color quality in a class of its own

The **Prosper 6000P** Press is able to consistently deliver print quality that's comparable to offset—approaching 200 lpi on a range of uncoated, coated, glossy and silk papers—with zero compromise on productivity. This capability makes it the ideal solution for producing color variable-data direct mailers, customized catalogs, books, newspapers or transpromo materials.

It provides full-color 4-over-4 perfecting output with a print width of up to 24.45 in. (62.1 cm) at speeds up to 1,000 feet per minute (300 mpm). It is one of the most cost-effective inkjet web presses available today for 8-, 12- and 16-page signatures, with low-cost consumables and exceptional productivity.

The IPS of the **Prosper 6000P** Press tracks and evaluates pages and makes adjustments as needed to thousands of inkjets in each line head. To further improve quality, Kodak's to the press's imaging system. The result is print quality that approaches offset on a wide range of substrates, with the unique flexibility and value of variable printing—all at high throughput speeds.

Peerless productivity

From in-feed to take-up, the **Kodak Prosper 6000P** Press features a robust and reliable design optimized for productivity, faster system start-up, and the ability to handle a wide range of papers. It's an output workhorse, producing up to 90 million top quality pages per month. When printing on glossy materials, the **Prosper 6000P** Press operates at full rated speeds—unlike competitive systems.

While moving substrates through the press at lightning speeds, the paper path of the **Prosper 6000P** Press virtually eliminates common inkjet-based imperfections, such as paper stretching, wrinkling or heating, thanks to a number of key innovations:

- Anti-wrinkling; select rollers have innovative design features to minimize wrinkling
- Recallable job settings for ease-of-use and make-ready improvement
- Air-based turnbar that reduces friction

Compelling economics

Kodak's goal has always been to provide inkjet-printing solutions that deliver greater revenue opportunities and improved profit margins for printers worldwide. With a combination of industry-leading productivity, very low cost consumables, and bulletproof reliability, the **Prosper 6000P** Press produces saleable prints at a compellingly low cost per page; approaching \$0.005/A4 in color consumable costs. Other factors that contribute to cost savings—and profitability—are longer inkjet head life, greater operational uptime, and press settings to reduce job setup and make-ready time.

With offset-comparable output and exceptional productivity—driven by Kodak's breakthrough Intelligent Print System—the **Kodak Prosper 6000P** Press is truly a next-generation inkjet printing press available today.

Kodak Prosper 6000P Press

GENERAL SPECIFICATIONS

Throughput	Up to 1,000 fpm (300 mpm), up to 4,364 A4 ppm, 8-, 12-, 16-page signatures ⁴
Image quality	Approaching 200 lpi at 650 fpm (200 mpm); 133 lpi at 1,000 fpm (300 mpm)
Substrates	Types: Uncoated free sheet groundwood and matte, glossy and silk coated papers 42 - 125 gsm, 3 - 6.2 pt, 28# newsprint - 80# book weight Roll width: 8 - 25.5 inches (20.3 - 64.8 cm)
Imaging system	Technology: Kodak Stream Inkjet Technology Ink type: Kodak's aqueous pigmented process color inks Jetting Modules: 4.16", 48 Jetting Modules within a standard perfecting press Imaging width: Up to 24.45" (62.1 cm) Variable cutoff: Up to 54" (137.2 cm) Duty cycle: 90M A4 or letter pages/month ¹
File formats	PDF, PDF-VT, PPML/GA, PPML/VDX, VPS, PostScript , AFP
Digital front end	Kodak 700 Print Manager (Version 4.0 or higher is required) contains: • Kodak 700 Digital Front End contained in two cabinets with 1 Control Server and 8 Print Process Servers • Each server contains (at a minimum): Dual Quad Core Intel Xeon 2.33 GHz Processors, 6GB RAM, RAID with 1TB system storage, and 2TB for image processing, Microsoft Windows Server 2008 OS • Hardware-accelerated image processing technology • Scalable architecture, for expansion and customer-specific solutions • Connectivity: Ethernet TCP/IP 1Gbps twisted pair, IPDS (TCP/IP), or JDF/JMF • One cabinet containing the Kodak Prosper 720 Press Controller • Speed: Simultaneous RIP and print capability at up to 1,000 fpm (300 mpm)⁵ • JDF/JMF: Job ticket control, enterprise connectivity and workflow automation • Workflow: Open architecture allows integration into a wide variety of workflows, including Kodak Unified Workflow Solutions. CIP4 JDF compliant, Remote Client, Remote Job Ticketing, Hot folder file submission. • IPDS connectivity
Dimensions (L x W x H)	Standard configuration: 78 x 26 x 8 feet (24 x 8 x 2 m)² L-shaped: 50 x 56 x 8 feet (15 x 17 x 2 m)² U-shaped: 42 x 43 x 8 feet (13 x 13 x 2 m)² <i>Physical dimensions of press:</i> Standard configuration: 61 x 16 x 8 feet (19 x 5 x 2 m) L-shaped configuration: 42 x 43 x 8 feet (13 x 13 x 2 m) U-shaped configuration: 32 x 43 x 8 feet (10 x 13 x 2 m)
Operating environment	60° to 85°F (16° to 30°C) @ 10 to 90% RH non-condensing; 85° to 104°F (30° to 40°C) @ 10 to 60% RH noncondensing; Altitude above sea level: 6,000 feet (1,830 meters) max.
Power	Electrical voltage: 3-Phase 50-60Hz and 208-230 50-60h Consumption during operation at 325 fpm (100 mpm): 187.6 Kw (glossy coated papers) ³ Consumption during operation at 650 fpm (200 mpm): 33.6 Kw (idle), 283.2 Kw (uncoated papers), 304.7 Kw (matte coated papers) ³ Consumption during operation at 1,000 fpm (300 mpm): 33.6 Kw (idle), 295.9 Kw (uncoated papers), 341.0 Kw (matte coated papers) ³
Consumables	Jetting modules: Kodak Prosper Press Jetting Modules Inks: Kodak Prosper Press Pigment Cyan, Magenta, Yellow and Black Inks ; Indirect food contact Inks Other fluids: Kodak Prosper Press Storage Solution and Replenisher Fluid Ink supply: 208-liter drums (55 gal.)
Solutions	Job submission: Kodak Insite Prepress Portal System Creation and organization: Kodak Insite Creative Workflow System and Kodak Insite Asset Library Production management: Kodak Prinergy Workflow v5.1 or higher Proofing: Kodak Matchprint Inkjet Proofing System and Kodak Matchprint Virtual Technology Asset management: Kodak Data Management Solutions Color management: Kodak Colorflow Software Qualified finishing solutions: Available from Kodak authorized providers
Optional accessories	Kodak Prosper IOS Offline Coating Solution Kodak Color Toolkit Plus Station and training ⁶ Kodak Prosper Press Jetting Module Recovery Station Auto Splicer (provided by Kodak partner) Kodak's Ink Estimator Software

¹ Based on 24/7 operation at 70% uptime.

² Includes unwinder, optional rewinder and ink depot.

³ Running power estimates at 25 - 30% CMYK ink coverage.

⁴ Actual speed and throughput may vary with a specific type of paper and quality expectation; glossy coated papers run up to 325 fpm (100 mpm) only.

⁵ Actual RIP speeds may vary based on complexity of jobs and compliance level of composition engines.

⁶ A KODAK Color Toolkit Plus Station is mandatory for installations where there is not already a Color Toolkit.

Printed using **Kodak Technology**.

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