Outstanding quality and productivity from the press that thinks

The Kodak Prosper 5000XLi Press with new Intelligent Print System (IPS) is one of the most advanced inkjet printing presses ever built. Its IPS technology is an intelligent management system that constantly monitors and evaluates press operation to ensure the highest output quality and most efficient throughput.

IPS processes thousands of press inputs during operation. Intelligent controls continuously measure paper transport efficiency and imaging performance, detecting even the slightest variations—then calculating and making adjustments as needed on the fly. The Prosper 5000XLi is an intelligent press that learns and improves—delivering high levels of productivity and output quality.

The Prosper 5000XLi Press provides full-color 4-over-4 perfecting output with a print width of up to 24.5 inches (62.2 cm) at speeds up to 650 feet per minute (200 mpm). It is one of the most cost-effective inkjet web presses available today for 8-, 12- and 16-page signatures, with exceptional productivity of up to 90 million A4 or US letter pages per month.

With IPS, the Prosper 5000XLi Press is able to consistently deliver print quality that rivals offset output—up to 175 lpi on a wide range of uncoated, coated, and glossy papers. It truly delivers on the promise of digital without compromise.

Color imaging that improves itself

At the heart of the Prosper 5000XLi Press’s Intelligent Print System is a range of sophisticated features designed to ensure optimal image quality, page after page. A combination of in-line video monitoring and advanced software controls enable the press to make real-time adjustments that refine and optimize output color quality. These value-added features include:

- Multiple in-line cameras to monitor color-to-color and front-to-back registration
- Automatic or user-selectable stitch adjustments to align print heads and optimize quality
- Multi-parameter monitoring of cross-track, in-track, magnification, and skew adjustments

The Prosper 5000XLi Press tracks and evaluates pages and makes adjustments as needed to the many thousands of inkjets in each line head. To further optimize quality, Kodak’s newly formulated nano-particulate inks are matched to the press’s writing system, offering a color gamut up to 30% wider than offset printing. The new inks also provide high levels of durability on coated papers. The result is offset-class color quality with the flexibility and value of variable printing.

Productivity is paramount

In addition to delivering offset class quality, the Kodak Prosper 5000XLi Press was engineered and built with a range of advanced transport and control elements to optimize print speed, ensure smooth operation and maximize productivity. These include:

- Auto-adjusting intake module simplifies changing paper stocks
- Automated substrate vacuum—to hold substrates down for improved stability and consistent print quality
- Flexible paper path—three configurations to improve drying time and reduce waste
- Adjustable drying component—adjusts for ink load, web speed and substrate
- Kodak 700 Print Manager—robust front-end for high-speed delivery of variable-data print jobs

Improve revenue, margin potential

Kodak’s goal is to provide inkjet printing solutions that deliver greater revenue opportunities and improved profit margins for print service providers worldwide. It’s all about printing the right quantity at the right time at the right cost. With offset-class output and exceptional production reliability—driven by Kodak’s breakthrough Intelligent Print System—the Prosper 5000XLi Press gives you best-in-class capabilities... without compromise.
**Kodak Prosper 5000XLi Press**

**Solution Specifications**

<table>
<thead>
<tr>
<th><strong>Throughput</strong></th>
<th>Up to 650 fpm (200 mpm), up to 3600 A4 ppm, 8-, 12-, 16-page signatures****</th>
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<tr>
<td><strong>Image quality</strong></td>
<td>Up to 175 lpi</td>
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</table>
| **Substrates** | Types: Uncoated free sheet and matte coated papers  
Weight: 45 – 300 gsm, 3 – 9 pt, 30 – 200# book weight  
Roll width: 13 – 25.5” (33 – 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 24.5” (62.2 cm)  
Variable cutoff: Up to 54” (137.2 cm)  
Duty cycle: 90M A4 or letter pages/month* |
| **File formats** | PDF, PPML/VDX, PPML/GA, PostScript, VPS, IPDS, AFP |

**Digital front end**

Kodak 700 Print Manager (Version 3.1 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 2003 server OS  
• Hardware-accelerated image processing technology  
• Scaleable architecture, for expansion and customer-specific solutions  
• Data Formats: PDF, PostScript, PPML/GA, PPML/VDX, VPS, AFPDS (MO:DCA), IPDS  
• Connectivity: Ethernet TCP/IP 1Gbps twisted pair, IPDS (TCP/IP), or JDF/JMF  
• One cabinet containing the Kodak Prosper 720 Press Controller  
• Speed: RIP on the fly at rated press speeds  
• JDF/JMF: Job ticket control, enterprise connectivity and workflow automation  
• Workflow: Kodak Unified Workflow Solutions product suite |

**Dimensions (L x W x H)**

75 x 25 x 8.8 feet (22.9 x 7.6 x 2.6 m)**

**Operating environment**

60° to 85°F (16° to 30°C) @ 10 to 90% RH non-condensing; 85°F to 104°F (30° to 40°C) @ 10 to 60% RH non-condensing; Altitude above sea level: 6,000 feet (1,830 meters)

**Power**

Electrical voltage: 400 – 480 3-Phase  
Consumption during operation: 34.6 Kw (idle), 146 Kw (uncoated papers), 192 Kw (coated papers)***

**Consumables**

Jetting modules: Kodak Prosper Press Jetting Modules  
Inks: Kodak Prosper Press Pigment Cyan, Magenta, Yellow and Black Inks  
Other fluids: Kodak Prosper Press Storage Solution and Replenisher Fluid  
Ink supply: 208-liter drums

**Solutions**

Job submission: Kodak Insite Storefront System and Kodak Insite Prepress Portal System  
Creation and organization: Kodak Insite Creative Workflow System and Kodak Insite Asset Library  
Production management: Kodak Prinergy Workflow v3.1 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 book finishing solutions: Available from Kodak authorized providers  
Optional: Auto-splicing and re-winder solutions available from Kodak authorized providers

**Optional accessories**

Kodak Prosper Image Optimizer Station  
Kodak Color Toolkit Plus  
Kodak Color Toolkit - All-inclusive Bundle

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*Based on 24/7 operation at 80% uptime.
**Includes unwinder and optional rewinder.
***Running power estimates at 25 – 30% CMYK ink coverage.
****Actual speed and throughput may vary with a specific type of paper and quality expectation.

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