KODAK STREAM INKJET TECHNOLOGY



KODAK PROSPER PLUS IMPRINTING SYSTEM

PERSONAL CARE MEETS PROFIT THROUGH CUSTOMIZATION

Generate opportunity with digital printing

Turn your converting line into a flexible digital production platform. KODAK PROSPER Plus Imprinting Systems enable converters to add variable data, four-color process graphics, and spot color capabilities inline with existing offset, flexo, gravure, and finishing operations. Enhanced registration and stitching options available with PROSPER Print Bar configurations to create less manual intervention and seamless print quality for the most demanding applications.

Powered by proprietary nanoparticle technology, water-based KODAK EKTACOLOR Inks deliver cost-effective, versatile, and eco-friendly inkjet printing. Certified for direct skin contact in the U.S. and Europe, they are ideal for applications where safety, compliance, and brand protection matter most.

Leverage the power of digital

KODAK PROSPER Plus Imprinting Systems drive profit potential with powerful features:

Growth opportunities: Customize products by retailer, region, demographic, or promotion in a single run. Reduce costs, accelerate launches, and unlock new revenue opportunities with targeted, variable graphics.

Built-in flexibility: Support up to 12 print stations and 24 printheads for scalable production. Seamless Kodak or third-party integration and a movable-by-design architecture allow PROSPER Plus to adapt to your operation while maximizing existing workflows and investments.

Industrial production output: With the reliability, productivity, cost of ownership and quality of offset, PROSPER Plus Imprinting Systems and PROSPER Print Bar add customized content to in-line production.

The benefits are compelling

State-of-the-art inkjet PROSPER Plus Imprinting Systems significantly deliver business-building value in three key areas:

Productivity

- Integrate digital printing directly into your production line—no separate workflow required
- Deliver consistent output at manufacturing speeds while maximizing existing equipment investments

Innovation

- Produce customized products for any retailer, region, demographic, or promotion without plates, inventory, or complexity
- Bring new products to market faster and validate concepts with less risk

Sustainability

- Eco-friendly, water-based inks help reduce waste, simplify production, and support sustainability goals without sacrificing performance.

Reduce integration risk

Kodak's proven experience with leading OEMs, including GDM, ensures seamless integration—backed by reliable performance and global service support.



Purpose-Built for Challenging Absorbent Materials

- Engineered for tissue-like substrates and diaper backsheets
- Vibrant graphics enabled by EKTACOLOR Inks and OPTIMAX Primers
- Reliable production at manufacturing line speeds

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Print Station Function

A print station houses the electronics and software that manage the pumps, valves, and filters that control the flow of ink, replenisher, and cleaning fluids for the continuous inkjet printheads. It also controls various physical properties of fluids—including temperature, pressure, and ink concentration.

Print Station Physical Dimensions

Height: 1025 mm (40.4 in)
Width: 585 mm (23 in)
Power: 200-240 VAC 50/60 Hz 10 amps (S30 = 30 amps)
Depth: 655 mm (25.8 in)
Weight: 125 kg (275 lbs)

Printhead Interface Controller Function

Each print station supports one or two Printhead Interface Controllers (PICs). A PIC box contains the electronics, software, and fluid connections for driving a single inkjet printhead.

Printhead Interface Controller Physical Specifications

Height: 616 mm (24.3 in)
Width: 180 mm (7.1 in)
Depth: 243 mm (9.6 in)
Weight: 15 kg (33 lbs)

Smart Linehead Functionality
Featuring 3 types of stitching algorithms

Mounting

PROSPER Plus Imprinting Systems can be mounted on web widths of 203.2 mm (8 in) to 1524 mm (60 in) using Kodak and qualified 3rd Party Tower/Carriage/Dryer solutions from 1 to 8 printhead rails.
For more configuration options, check out KODAK PROSPER Print Bar.

	PROSPER PLUS 5	PROSPER PLUS 10	PROSPER PLUS 20
Speed		**Resolution (dpi)**	
152 mpm (500 fpm)	900, 600	N/A	N/A
200 mpm (650 fpm)	N/A	900, 600, 400, 300, 200	900, 600, 400, 300, 200
300 mpm (1000 fpm)	N/A	600, 400, 300, 200	600, 400, 300, 200
450 mpm (1500 fpm)	N/A	N/A	300, 200
600 mpm (2000 fpm)	N/A	N/A	N/A

Drop Size: 11.4 pL and 9.8 pL

Printheads

- Printheads are replaceable components that connect to PICs through a simple slide-on mechanism.
- Data can be split electronically between up to four print heads using the same controller.

Physical Specifications

Height: 70 mm (2.8 in)
Width: 155 mm (6.1 in)
Depth: 90 mm (3.5 in)
Weight: 1.65 kg (3.6 lbs)
Print Width: 105 mm (4.16 in)

Umbilicals

A PIC connects to the body of the print station through one umbilical.

Electrical/fluidics umbilical:
Length: 11.978 mm (39.3 ft)
Diameter: 44 mm (1.75 in)
Weight: 20 kg (44 lbs)

Environmental Operating Ranges

For environments with 10% to 60% relative humidity non-condensing, temperature range is 16°C - 40°C (60.8°F - 104°F)
For environments with 90% relative humidity non-condensing, temperature range is 16°C - 30°C (60.8°F - 86°F)

Drying

Recommended drying setup:
• ADPHOS NIR inkjet drying systems or other equivalent for most applications.

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