

# KODAK PROSPER PLUS IMPRINTING SYSTEM



## Make your offset, flexo or gravure press digital.

### Generate opportunity with hybrid digital printing

New KODAK PROSPER Plus Imprinting Systems enable offset, flexo and gravure printers to integrate the power of digital print within existing pressroom and finishing operations. Available in both narrow and wide configurations, versatile PROSPER Plus Systems are ideal for imprinting monochrome or four-color content on a wide range of substrates and applications.

Kodak's proprietary nanotechnology water-based inks provide low operating cost, exceptional versatility and the most eco-friendly option for production inkjet printing. They have passed US and European certifications for food safety, direct skin contact, and food service products.

### Leverage the power of digital

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

**Capitalize on new opportunities:** PROSPER Plus Imprinting Systems enable you to combine high-quality offset printing with partial- or full-page 100% variable content in one easy step, so you can produce customizable promotions or packaging and attract new sources of revenue.

**Built-in flexibility:** Depending on the configuration, a system can include up to 12 print stations and 24 printheads. PROSPER Plus Imprinting Systems can be easily integrated using Kodak or third-party solutions.

**Offset class output:** With the reliability, productivity, cost of ownership and quality of offset, PROSPER Plus Imprinting Systems add customized content to in-line production without the need for additional off-line laser printing.

### The benefits are compelling

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

#### Sustainability

- Environmentally-friendly water-based inks comply with Indirect Food Contact regulations
- Reduce waste vs. traditional printing

#### Productivity

- Efficient in-line or near-line implementation
- Fewer process steps than traditional approaches
- Extend the life of current equipment assets

#### Innovation

- Add value through versioning and variable data
- Make packaging a physical touchpoint to digitally connect with consumers
- Unleash creative flexibility with color palettes and substrates
- Get to market faster with new ideas

Drive business growth across a broad range of applications by integrating cost-effective, productive, high-quality and versatile PROSPER Plus Imprinting Systems.



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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: 102.5 cm (40.4 in)  
Width: 58.5 cm (23 in)  
Power: 200-240 VAC 50/60 Hz 10 amps (S30 = 30 amps)  
Depth: 65.5 cm (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: 61.6 cm (24.3 in)  
Width: 18 cm (7.1 in)  
Depth: 24.3 cm (9.6 in)  
Weight: 15 kg (33 lbs)

## 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.

SPEED	RESOLUTION	
	PROSPER Plus 1 / 1W	PROSPER Plus 2 / 2W
200 mpm (650 fpm)	600 x 900 dpi, 600 x 600 dpi	600 x 900 dpi, 600 x 600 dpi, 600 x 400 dpi, 600 x 300 dpi
300 mpm (1,000 fpm)	600 x 600 dpi	600 x 600 dpi, 600 x 400 dpi, 600 x 300 dpi
450 mpm (1,500 fpm)	N/A	600 x 400 dpi, 600 x 300 dpi
600 mpm (2,000 fpm)	N/A	600 x 300 dpi

## 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: 7.1 cm (2.8 in)  
Width: 15.5 cm (6.1 in)  
Depth: 9.0 cm (3.5 in)  
Weight: 1.65 kg (3.6 lbs)

### UMBILICALS

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

### Electrical/fluidics umbilical:

Length: 12 m (39.3 ft)  
Diameter: 4.4 cm (1.75")  
Weight: 20 kg (44 lbs)

### WIDTH

**PROSPER Plus 1** 105 mm (4.16 in)  
**PROSPER Plus 1W\*** 210 mm (8.26 in)  
**PROSPER Plus 2** 105 mm (4.16 in)  
**PROSPER Plus 2W\*** 210 mm (8.26 in)

## ENVIRONMENTAL OPERATING RANGES

For environments with 10% relative humidity non-condensing, temperature range is 16°C - 40°C (60.8°F - 104°F)  
For environments with 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.  
UTEKO drying systems or other equivalent for flexographic film-based applications.

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