



## KODAK PROSPER S5 IMPRINTING SYSTEM

# HIGH-QUALITY, AFFORDABLE IMPRINTING

### High-resolution inline Variable Data Printing (VDP) at offset speed

Offering high quality inline digital printing with speeds matching those of offset and finishing lines, the KODAK PROSPER S5 Imprinting System allows you to capitalize on new imprinting business opportunities.

The S5 Imprinting System features pigment-based KODAK EKTACOLOR Inks with excellent permanence on a variety of commercial substrates, providing scratch, fade and water resistance. In addition, EKTACOLOR Ink produces rich, dark blacks on standard coated offset stocks. Optimal print performance at top speed on glossy stocks requires sufficient drying. For specific dryer information, see the back of this document. Black dye-based inks are also available.

With easy integration into existing production processes, the S5 Imprinting System helps you get the most from your analog printing and finishing equipment as well as helping to boost your bottom line with new, higher-value digital capabilities. For instance, the mail base mount allows duplex printing of offset pieces like catalogs, brochures and calendars.

### Leverage the power of digital

The KODAK PROSPER S5 Imprinting System drives profit potential with powerful features:

- **Capitalize on new opportunities:** Combines high-quality offset and flexographic printing with partial page, 100% variable data in one easy step.

- **Deliver built-in flexibility:** Depending on the configuration, a system can include up to 12 print stations and 24 printheads. The S5 Imprinting System can be easily integrated using Kodak or third-party solutions, including mailbases.
- **Extend your capabilities:** Ideal for higher-value applications requiring personalization and targeted messaging. In addition to direct mail solicitations, variable data packaging, transactional printing and security printing the system offers four point font and higher resolutions for niche documents, such as the legal requirements for terms and conditions.
- **Provide offset class output:** With the reliability, productivity, cost of ownership, and quality of offset, the S5 Imprinting System adds variable data to inline production without the need for additional offline laser printing and at better costs than rolled laser.
- **Upgrade to higher speeds** and web-based process color as your business grows.

### Drive competitive advantage

The S5 Imprinting System is part of a comprehensive family of highly reliable and innovative inkjet printing solutions that can help you build a more productive and profitable business, and establish a new advantage.



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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: 40.4" (102.5 cm) Width: 23" (58.5 cm) Depth: 25.8" (65.5 cm) Weight: 275 lbs. (125 kg) Power: 200-240 VAC 50/60 Hz 10 amps			
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: 24.3" (61.6 cm) Width: 7.1" (18 cm) Depth: 9.6" (24.3 cm) Weight: 33 lbs. (15 kg)			
Mounting	To accommodate web widths of 27" (685.8 mm) & 40" (1,016 mm) the S5 Imprinting System can be mounted to the KODAK DC3800 Printhead Carriage, which includes 2 printhead rails.			
	To accommodate web widths up to 40" (1,016 mm) the S5 Imprinting System can be mounted to the KODAK DS3700 Printing System with modifications, which can include 2, 4 or 6 printhead rails. Can mount to commercially available mailbases.			
Printheads	Speed	Resolution		
	Up to 500 fpm (152 mpm)	600 x 600 dpi		
	Printheads are replaceable components that connect to PICs through a simple slide-on mechanism. The S5 Imprinting System runs at a speed up to 500 fpm (152 mpm) at a resolution of 600 x 600 x 1 dpi.  Data can be split electronically between up to four print heads using the same controller.	Physical Specifications  Height: 2.8" (7.1 cm) Width: 6.1" (15.5 cm) Depth: 3.5" (9.0 cm) Weight: 3.6 lbs. (1.65 kg)	Umbilicals  A PIC connects to the body of the print station through one umbilical.  Electrical/fluidics umbilical: – Length: 39.3' (12 m) – Diameter: 1.75" (4.4 cm) – Weight: 44 lbs. (20 kg)	Width  4.16" (10.6 cm)
Environmental Operating Ranges	For environments with 10% relative humidity non-condensing, the temperature range is 60.8°F - 104°F (16°C - 40°C) For environments with 60% relative humidity non-condensing, the temperature range is 60.8°F - 104°F (16°C - 40°C) For environments with 90% relative humidity non-condensing, the temperature range is 60.8°F - 86°F (16°C - 30°C)			
Drying	Recommended drying setup: two ADPHOS NIR inkjet drying systems or other equivalent for paper substrates.			



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