

# Kodak

## Prosper S5 Imprinting System

The **Kodak Prosper S5 Imprinting System** uses **Kodak Stream Inkjet Technology** and the **Kodak Versamark CS410 System Controller** to give you a powerful solution that can help your company profit in the hybrid digital printing market.

### High-resolution inline VDP at offset speed

Offering the highest quality in the inline digital printing product line and with speeds matching those of a web offset press and web finishing lines, the S5 Imprinting System allows you to capitalize on new imprinting business opportunities.

The S5 Imprinting System features pigment-based ink with excellent permanence on a variety of commercial substrates, providing scratch, fade and water resistance. In addition, pigment-based 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 facilitates full utilization of current investments in web offset and web finishing equipment while simultaneously helping to boost your bottom line with new, higher-value digital capabilities.

#### Kodak Prosper S5 Imprinting System

- ▶ 4.16" (10.6 cm) imprint width
- ▶ Up to 500 fpm (152 mpm)
- ▶ 600 x 600 dpi
- ▶ Pigment-based and dye-based inks



### Leverage the power of digital

The S5 Imprinting System drives profit potential with powerful features:

- ▶ **Capitalize on new opportunities:** Combines high-quality offset printing with partial page 100% variable data in one easy step.
- ▶ **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, transactional printing, and forms replacement, the system offers four point font and higher resolutions for niche documents, such as the legal requirements for terms and conditions.
- ▶ **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 as your business grows.

### A legacy of success

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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## Technical Data

### 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 V AC 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. PIC 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" & 40" the S5 Imprinting System can be mounted to the **Kodak Versamark 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 Versamark DS3700** Printing System with modifications, which can include 2, 4 or 6 printhead rails.

Can mount to commercially available mailbases.

### Printheads

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 at a resolution of 600 x 600 x 1 dpi. Up to four printheads can be stitched together.

### Printhead 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)

### 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 NIR120 inkjet drying systems or other equivalent.



### To learn more about solutions from Kodak:

Visit [graphics.kodak.com](http://graphics.kodak.com)

Or in North America, call +1-866-563-2533.

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