Kodak

Prosper S5
Imprinting System

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

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

Offering the highest quality in the inline digital printing product line and with speeds matching those of web finishing lines, the **Kodak Prosper** 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 helps you get the most from your web offset and web 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 catalogues, brochures and calendars.

Kodak Prosper S5 Imprinting System

- ▸ 4.16" (10.6 cm) imprint width
- ▸ Up to 500 fpm (152 mpm)
- ▸ 600 x 600 dpi
- ▸ Pigment-based, dye-based, security inks
- ▸ Dye-based spot color matching program

Leverage the power of digital

The **Kodak Prosper** S5 Imprinting System drives profit potential with powerful features to:

- ▸ **Capitalize on new opportunities:** Combines high-quality offset 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, 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.

- ▸ **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 rollfed laser.

- ▸ **Upgrade** to higher speeds and web-based process color 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.

Kodak **Prosper** S5 Imprinting System

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.

Kodak
Stream Inkjet Technology

To learn more about solutions from Kodak:
Visit graphics.kodak.com
Or in North America, call +1-866-563-2533.

Printed using **Kodak** Technologies.

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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. Data can be split electronically between up to four print heads using the same controller.

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 NIR inkjet drying systems or other equivalent.

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