Kodak

Prosper S10
Imprinting System

*The **Kodak Prosper** S10 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 printing of direct mail.*

Generate opportunity with high-speed, high-resolution hybrid digital printing

Offering the highest quality in the hybrid digital printing product line and with speeds matching those of a web offset press and web finishing lines, the **Kodak Prosper** S10 Imprinting System allows you to capitalize on new imprinting business opportunities.

The S10 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. With the use of four S10 print heads, CMYK can be enabled. Optimal print performance at top speed on glossy stocks requires sufficient drying. For specific dryer information see the back of this document.

With easy integration into existing production processes, the S10 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.

Leverage the power of digital

The **Kodak Prosper** S10 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. Develop higher ROMI solutions using full variable color.

▶ **Built-in flexibility:** Depending on the configuration, a system can include up to 12 print stations and 24 printheads. The S10 Imprinting System can be easily integrated using **Kodak** or third-party solutions.

▶ **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 S10 Imprinting System adds variable data to inline production without the need for additional offline laser printing.

A legacy of success

The S10 Imprinting System is part of a comprehensive family of highly reliable and innovative inkjet printing solutions, and is fully upgradeable from the **Kodak Prosper S5** Imprinting System. Build a more productive and profitable business and establish a new competitive advantage today, with the **Kodak Prosper** S10 Imprinting System.

Kodak Prosper S10 Imprinting System

▶ 4.16" (10.6 cm) imprint width
▶ Up to 1,000 fpm (305 mpm)
▶ 600 x 600 dpi
▶ Pigment-based, dye-based and security inks
▶ Dye-based spot color matching program

Kodak **Prosper** S10 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 S10 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 S10 Imprinting System can be mounted to the **Kodak Versamark** DS3700 Printing System with modifications, which can include 2, 4 or 6 printhead rails.

Printheads

Printheads are replaceable components that connect to PICs through a simple slide-on mechanism. The S10 Imprinting System runs at a speed up to 1,000 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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