Kodak
Prosper S20
Imprinting System

*The **Kodak Prosper** S20 Imprinting System uses **Kodak** Stream Inkjet Technology and the **Kodak** CS410 System Controller to deliver a powerful solution that leverages existing equipment to enable new imprinting business opportunities.*

Generate opportunity with the highest-speed hybrid digital printing solution

With speeds matching those of web offset presses used in the publication segment, the **Kodak Prosper** S20 Imprinting System is ideal for newspaper, magazine and insert printers looking for strategies to boost ad revenues. This innovative solution integrates easily into existing production processes, enabling full utilization of existing equipment, while driving new advertising opportunities with highly targeted products, including:

▶ Personalized, variable promotions by location

▶ Micro-promotions using geocoded maps, barcodes and coupons

▶ Variable gaming and contests that can drive increased newsstand sales

The S20 Imprinting System features pigment-based inks that deliver excellent permanence, rich, dark blacks, and outstanding scratch-, fade- and water-resistance on a wide variety of commercial substrates.

Kodak Prosper S20 Imprinting System

▶ 4.16" (10.6 cm) imprint width
▶ Up to 2,000 fpm (600 mpm)
▶ 600 x 300 dpi
▶ Pigment-based, dye-based and security inks
▶ Dye-based spot color matching program

When total permanence is not required, dye-based inks provide an alternative option that can help reduce total cost of ownership.

Leverage the power of digital

The **Kodak Prosper** S20 Imprinting System offers compelling ways to help publication printers increase profit potential:

▶ **Extend your applications:** Ideal for high-value advertising applications requiring personalization and targeted messaging, such as micro-promotions, geocoding, barcoding, variable gaming and contests.

▶ **Improve return on marketing investment (ROMI) for advertisers:** Variable data promotions are proven to generate higher response rates. The ability to offer highly targeted content can attract new sources of ad revenue.

▶ **Built-in flexibility:** Depending on the configuration, a system can include up to 12 print stations and 24 printheads. The S20 Imprinting System can be easily integrated into high-speed, heatset offset presses.

▶ **Offset-class output:** With the reliability, productivity, cost of ownership, and quality of offset, the S20 Imprinting System adds the power of variable data to inline production.

Drive competitive advantage

The S20 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 and S10 Imprinting Systems. Build a more productive and profitable business and establish a new competitive advantage today, with the **Kodak Prosper** S20 Imprinting System.

Kodak **Prosper** S20 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 S20 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 S20 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 S20 Imprinting System runs at a speed up to 2,000 fpm at a resolution of 600 x 300 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.

Kodak
Stream Inkjet Technology

Use the **Prosper** S20 Imprinting System to add unique gaming codes, which can drive traffic to an advertiser's web site.

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