



KODAK PROSPER S20 IMPRINTING SYSTEM

Productive, quality imprinting

Generate opportunity with high-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. 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 advertising revenue and reduce costs:

- 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 advertising and gaming can attract new sources of 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 eliminates the time and cost of plate changes for targeted micro zoning.

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

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: 102.5 cm (40.4")
Width: 58.5 cm (23")
Depth: 65.5 cm (25.8")
Weight: 125 kg (275 lbs.)
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: 61.6 cm (24.3")
Width: 18 cm (7.1")
Depth: 24.3 cm (9.6")
Weight: 15 kg (33 lbs.)

Mounting

To accommodate web widths of 685.8 mm (27") & 1,016 mm (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 1,016 mm (40") 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.

Speed	Resolution
300 mpm (1,000 fpm)	600 x 600 dpi
450 mpm (1,500 fpm)	600 x 400 dpi
600 mpm (2,000 fpm)	600 x 300 dpi

Printheads	Physical Specifications	Umbilicals	Width
Printheads are replaceable components that connect to PICs through a simple slide-on mechanism. The S20 Imprinting System runs at a speed up to 600 mpm (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.	Height: 7.1 cm (2.8") Width: 15.5 cm (6.1") Depth: 9.0 cm (3.5") Weight: 1.65 kg (3.6 lbs.)	A PIC connects to the body of the print station through one umbilical. Electrical/fluidics umbilical: - Length: 12 m (39.3") - Diameter: 4.4 cm (1.75") - Weight: 20 kg (44 lbs.)	10.6 cm (4.16")

Environmental Operating Ranges

For environments with 10% relative humidity non-condensing, the temperature range is 16°C - 40°C (60.8°F - 104°F)

For environments with 60% relative humidity non-condensing, the temperature range is 16°C - 40°C (60.8°F - 104°F)

For environments with 90% relative humidity non-condensing, the temperature range is 16°C - 30°C (60.8°F - 86°F)

Drying

Recommended drying setup: two ADPHOS NIR inkjet drying systems or other equivalent for paper substrates.

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