SII

ColorPainter H2-104s / H2-74s

Ultra High-Speed, Low-Solvent Printers

HIGH-PERFORMANCE OUTDOOR & INDOOR GRAPHICS PRINTERS

ColorPainter H2-104s

#1 For Fleet Graphics
#1 For Banners
#1 For Fine Art Canvas
#1 For Flex Face

Industry's Best Warranties For Outdoor Performance

3M™ MCS™ Warranty
For Premium
3M Inks & Media

AVERY DENNISON

ICS Warranty Program

Cooley Commercial Graphics
WHERE SUSTAINABLE CHEMISTRY MAKES THE DIFFERENCE
Extended Warranty

8 industrial piezo print heads deliver blazing **speed**, and rich glossy **gorgeous colors** with low running costs
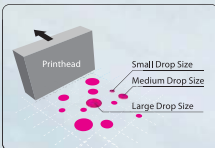
High Speed

8 High Frequency Industrial Piezo Printheads

Industrial piezo print heads are designed and built for high-volume print environments and offer substantially better speeds and performance over desktop piezo print heads or thermal bubblejet print heads - up to 1,000 sfph. Unlike thermal bubblejet print heads that boil the ink with electricity to eject the droplet, piezo uses a cleaner, more accurate crystal to push drops out with better placement and shape. Seiko Instruments printheads jet at extremely high frequencies, and can jet up to 3 different drop sizes on the same print path.

Dynamic Dot Printing Technology

DDP
Dynamic Dot Printing Technology

Dynamically processing each color into 3 drop sizes "on-the-fly" requires high-speed processing within the printer, but delivers maximum image quality while maintaining proper color densities.
Seiko Instruments exclusive DDP Technology is built into every ColorPainter printer and produces superior smooth gradients at all print speeds and all resolutions.

Printhead
Small Drop Size
Medium Drop Size
Large Drop Size

Smart Pass 3 Technology

Smart Pass SP3

Third generation Smart Pass Technology automatically creates unique gradient overlaps between each printing pass to reduce or eliminate pass-to-pass banding. This advanced technology optimizes dot placement to improve overall print quality in a way far superior to other overlapping technologies in the industry today. It also improves print quality when printing at high speeds, or when printing on low-cost inferior substrates. SP3 maximizes image quality and offsets the factors that negatively affect image quality when printing at high speeds.

Resolutions Up To 900 DPI

Print at resolutions from 360 dpi to 900 dpi to match your application and target output quality/speed. Using the ColorPainter's exclusive DDP and SP3 technologies, you can actually print at higher quality and faster speeds using lower resolutions than competitive printers.

PIZZA Napoli

Smart Nozzle Mapping

Industrial print heads jet faster and last longer than desktop printheads, but eventually all print heads encounter an unrecoverable clogged nozzle. In the past, there was no choice but to initiate a cleaning cycle, replace the print head or accept lower quality printing. But with SIIT's new Smart Nozzle Mapping feature, the printer can automatically remap a specific nozzle's responsibilitly to a nearby fully functional nozzle - basically directing another nozzle to print in the place of the remapped nozzle. You can also use Smart Nozzle Mapping when you have a clogged nozzle in the middle of a production run, postponing a cleaning cycle to later when time is less critical. Best of all, Smart Nozzle Mapping is easy to do and doesn't slow the printer down. The ColorPainter's exclusive Smart Nozzle Mapping feature ensures high-speed and high-quality printing all of the time for maximum uptime, and it reduces print head replacements by up to 10X over the life of the printer.

SNM
SMART NOZZLE MAPPING

CP Manager Software

CP Manager software comes free with every ColorPainter printer, and allows you to monitor printer status, change temperature settings, check ink levels, and many other functions. It even alerts you to suggested maintenance, right from your PC, cell phone or tablet. CP Manager is a full-functioned control center for your printer right on your PC, and can be utilized for remote diagnostics. *(Windows operating system required)*

Maximum Uptime

Large Capacity Ink Packs

Large 1.5 liter ink packs require less ink replenishment, and reduce plastic in landfills compared to standard ink cartridges. Total printer capacity is 12 liters of ink.
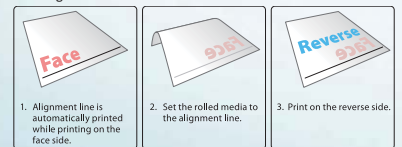
Sub-Cartridges

Sub-cartridges allow you to replace ink packs on-the-fly without interrupting print jobs. Inks in the sub-cartridge also make switching from 8 color printing to 4 color printing faster and easier.

Double-Sided Printing

Want to print double-sided graphics such as banners? The ColorPainter H printer makes it easy with automatic alignment marking.

Face

Reverse

1. Alignment line is automatically printed while printing on the face side.
2. Set the rolled media to the alignment line.
3. Print on the reverse side.

1 Year On-Site Warranty

A full one year, on-site service warranty on the entire printer including print heads is included with the price of the printer. Warranty service is from local factory-trained service technicians.

▶ Deep, Rich Colors Even At High Speed

8 rich colors and resolutions up to 900x900 dpi retain color and clarity of printed images, enhancing the overall visual impact of signs and graphics. While other printers lose color density as speed overtakes their ability to lay down high quantities of ink, the ColorPainter H series can print fast without losing ink density in dark areas.

▶ Renowned Product Reliability

ColorPainter products have a well known reputation for being "over engineered" and made of top quality components. Designed specifically for the rigors of high-volume printing, ColorPainter printers have the longest life and highest resale value of any wide-format printer. Investing in a ColorPainter printer is one of the safest and best decisions your company can make.

▶ Industry's Best Backlit Film Prints

High density inks with higher pigment loading means better, richer colors when you print backlit or frontlit films for light boxes. The ColorPainter H printers can print rich dark glossy blacks on standard backlit films, making any menu or airport graphic stand out.

▶ New GX 3M Ink

The new GX 3M ink is perfect for all indoor & outdoor applications and is the only H2 ink that comes with a full 3M MCS Warranty (when used with 3M substrates and 3M laminates). Highly recommended for fleet graphics, vehicle wraps and other long-term outdoor applications.

3M™ MCS™ Warranty
For Premium
3M Inks & Media

ultra fast **PVC printing**, with full **color density**

Available in 74" and 104" widths, 4 or 8 color configurations

ColorPainter. H2-104s/H2-74s

▶ True Monochrome Printing

With Gray and Light Gray inks, the ColorPainter H printers can print true monochrome images without a color cast. Gradations, light shadows, and metallic colors are enhanced with this ink set.

▶ Mesh Printing Option

Optional mesh print kit enables printing on mesh banners and other materials without a liner. Mesh Option can be added to an H2-104s or H2-74s at the time of installation or later.

Gorgeous Color

Specifications		H2-74s	H2-104s
Print Heads		8 Industrial drop-on-demand 508 nozzle piezo-electric	
Number of Print Heads		8 x 1 (8 Colors), 4 x 2 (4 Colors)	
Print Modes		900x900, 720x720, 540x540, 540x360, 360x360 dpi	
Number of Nozzles		8 Colors: 508 nozzles x 8, 4 Colors: 1,016 nozzles x 4	
Maximum Media Width		74.8" (1,900 mm)	104" (2,642 mm)
Maximum Print Width		74.4" (1,890 mm)	103.6" (2,632 mm)
Max. Media Weight		110 lbs. (50 kg)	264 lbs. (120 kg)
Maximum Media Diameter		8.7" (220 mm)	13.8" (350 mm)
Maximum Media Length		164' (50 meters)	328' (100 meters)
Paper Feed Method		Roll/Cut Media	
Head Height		Automatic Head Height up to 1mm (39.3 mil)	
Margin Size		0.2" (5 mm) when using roll without edge guard	
Ink	Types	GX & GX 3M Low Solvent High-Viscosity Inks	
	Colors	8 colors (C, M, Y, K, Lc, Lm, Gray, Lt. Gray)	
	Ink Capacity	1.5 liters per color	
Media		Vinyl, banner, backlit films, textiles and other media designed for solvent printers	
Built-in Heater		3-way independently controlled heater (front/print/rear) 59°F (15°C) - 150°F (70°C)	
Modes on Optional Take-up System		Loose Inner, Loose Outer, Tension Inner, Tension Outer	
Interface		USB 2.0	
Power Consumption	Printer	1,440 watts or less	
	Heater	2,880 watts or less	
Operating Environment		59 - 86°F (15 - 30°C) 30-70% RH (no condensation)	
Storage Environment		41 - 95°F (5 - 35°C) 10-80% RH (no condensation)	
External Dimensions (W x D x H)		133" x 50" x 60" (3383 x 1275 x 1511 mm)	162" x 54" x 60" (4126 x 1366 x 1513 mm)
Weight		992 lbs (450 kg)	1,322 lbs (600 kg)
8 Color Speed - Normal		284 sfph (26 m²ph)	308 sfph (29 m²ph)
8 Color Speed - Maximum		538 sfph (50 m²ph)	538 sfph (50 m²ph)
4 Color Speed - Normal		567 sfph (52 m²ph)	614 sfph (57 m²ph)
4 Color Speed - Maximum		1,076 sfph (100 m²ph)	1,076 sfph (100 m²ph)

Other speeds/printing modes available
Specifications are subject to change without notice. Please contact your local authorized SIIT product reseller.

OPTIONAL ACCESSORIES

IP7-011	Mesh Kit for H2-104s
IP7-017	Mesh Kit for H2-74s
IP7-014	Foot Switch for H2-104s
IP7-015	Scroller for H2-104s
IP7-018	Scroller Flange for H2-74s
IP7-019	Scroller Set for H2-74s
IP7-023	Tensioner for H2-104s
IP7-022	Tensioner for H2-74s
IP7-025	Offset Loading Kit for H2-104s
IP7-024	Offset Loading Kit for H2-74s
IP7-013	Exhaust Attachment for H2

INKS

GX Ink or GX 3M Ink: Low-solvent inks with excellent color, glossiness, adhesion, dry-time, and durability.

GX 3M Ink comes with a 3M MCS Warranty when used with 3M substrates and 3M laminates.

GX Ink		GX 3M Ink	
IP7-101	Yellow Ink	M7-101	Yellow Ink
IP7-102	Magenta Ink	M7-102	Magenta Ink
IP7-103	Cyan Ink	M7-103	Cyan Ink
IP7-104	Black Ink	M7-104	Black Ink
IP7-105	Light Cyan Ink	M7-105	Light Cyan Ink
IP7-106	Lt. Magenta Ink	M7-106	Lt. Magenta Ink
IP7-107	Gray Ink	M7-107	Gray Ink
IP7-108	Lt. Gray Ink	M7-108	Lt. Gray Ink

SUPPORT

Seiko Instruments USA offers comprehesive support for all ColorPainter products through our factory-trained authorized resellers.

By Phone:
Real-time support is available Mondays to Fridays (8:00am-5:00pm Pacific Time), excluding holidays. Tel: 760-781-5200

By E-Mail:
ColorPainterSupport@seikoinstruments.com.

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