# OKI
*Open up your dreams*

Low Odor High Performance Solvent Printer

**Color Painter™ H3-104s**

High Quality

Low Odor

High Durability

# UNRIVALED PROGRESS

High Speed

Short Dry Time

Color Painter H3-104s

**OKI Data Infotech Corporation**

# ColorPainter™ H3-104s

**High quality**
- Wide color gamut
- High vividness
- High density
- Gray + Light gray ink

**+**

**Short dry time**

**High speed printing**
- Short dry time
- Eliminates ink bleeding

**Durability**
- Robustness
- High outdoor durability

# SX ink

**Low odor**
- Better printing environment
- Wider application

**Low running cost**

Revolutionizing the low-odor eco solvent inkjet printers.
High-speed print engine plus low-odor SX ink
achieve unmatched performance.

## Low Odor

# High Performance with Low Odor

**NEW** **Low-Odor and Eco Solvent SX Ink**

The newly-developed eco solvent SX inks offer a wide color gamut, high vividness, high density, excellent outdoor durability and low running costs in addition to the low level of odor. Overall performance of SX inks meets the customers demand for higher productivity and better workplace environment.

**Wide Color Gamut**



— SX ink
- - - GX ink

a*

b*
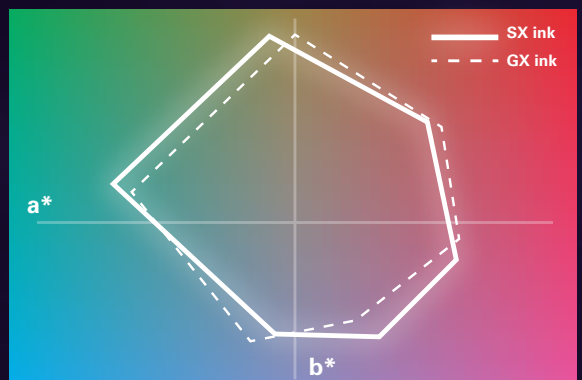
SX inks deliver vivid and rich colors with the same wide color gamut as GX inks.

# Color Painter™ H3-104s

**Large Capacity Ink Cartridges and Subtanks**

**High-Speed Print Heads**

**DDP - Dynamic Dot Printing Technology**

*Enhanced* **SNM2 - Smart Nozzle Mapping**

*NEW* **SSS - Safe Scanning System**

**SP4 - Smart Pass Technology** *Enhanced*

**Gray + Light Gray Ink**

**Automatic Print Adjustment** *NEW*

**Advanced CP_Manager Software** *Enhanced*

## High Outdoor Durability

| | | Residual density ratio |
|---|---|---|
| **K** | SH ink | |
| **Y** | SH ink | |
| **M** | SH ink | |
| **C** | SH ink | |

Residual density ratio    0%    20%    40%    60%    80%    100%

**36 months later**  Based on the results of OKI's accelerated weathering test.
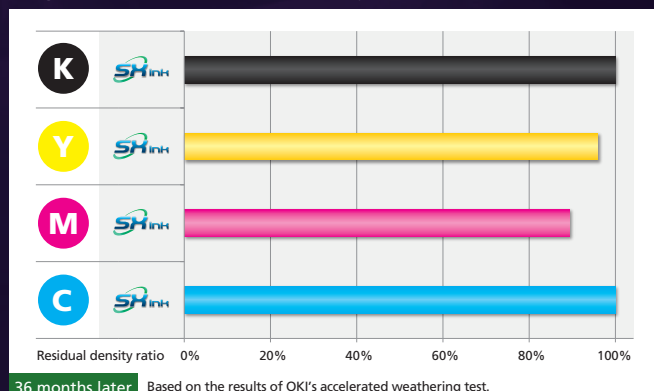
Even with its low odor characteristic, SX inks boast excellent outdoor durability.

* OKI does not guarantee outdoor durability.

## High Density

The SX inks achieve high-density colors and details in dark areas. The H3-104s meets customers' needs for sharp, clear and bright backlit signs.
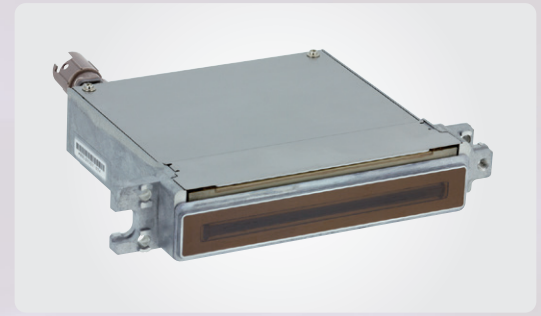
Enlarged image of high density area

## Large Capacity Ink bags + Subcartridges

## High-Speed Print Heads

The ColorPainter H3-104s utilizes efficient 1.5-liter ink bags and subcartridges to support continuous high volume printing. Subcartridges allow you to replace ink on the fly without interrupting print jobs.
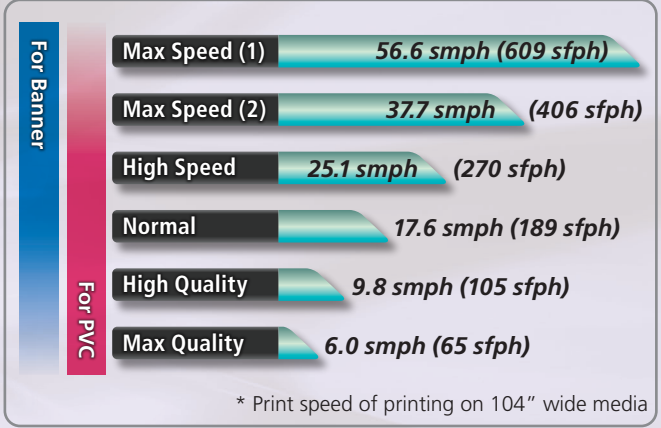
The ColorPainter H3-104s uses industry-proven high speed print heads.

## Exceptional productivity

Integrating Smart Pass Technology 4 with Dynamic Dot Printing Technology, the ColorPainter H3-104s accomplishes breakthrough print speed with low-odor eco solvent inks and further enhances image quality.

With its fastest print mode at 56.6 smph (609 sfph), the ColorPainter H3-104s is a perfect fit for printing large format banners and high volume printing in short turnaround times.

**For Banner**

| | |
|---|---|
| Max Speed (1) | 56.6 smph (609 sfph) |
| Max Speed (2) | 37.7 smph (406 sfph) |
| High Speed | 25.1 smph (270 sfph) |
| Normal | 17.6 smph (189 sfph) |
| High Quality | 9.8 smph (105 sfph) |
| Max Quality | 6.0 smph (65 sfph) |

**For PVC**

* Print speed of printing on 104" wide media

## NEW Automatic Print Adjustment

The ColorPainter H3-104s includes new optical sensors that automatically perform both media advance and bi-directional position adjustment. The operator does not have to make complicated manual adjustment when a new media has been installed or when the print mode has been changed. This new automatic print adjustment ensures high quality printing even for first time users.
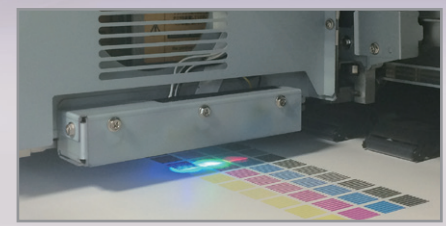
## Enhanced Advanced CP_Manager Software

Developed specifically for the ColorPainter printers, CP_Manager, the bundled controller software, allows operators to operate printers from a PC, tablet or smartphone. Operators can communicate and manage the H3-104s by email and Twitter*[1] through CP_Manager.
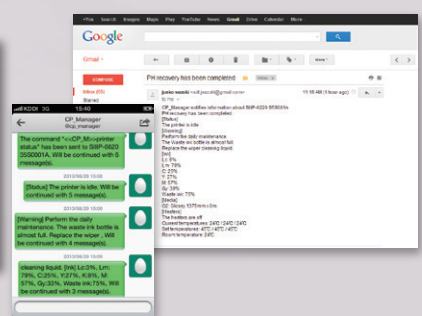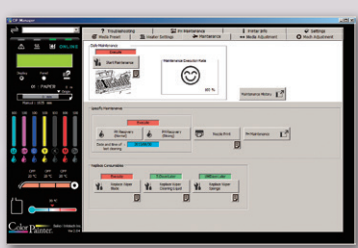
## CP MANAGER

## DDP
### Dynamic Dot Printing Technology



Printhead

Small Drop Size
Medium Drop Size
Large Drop Size
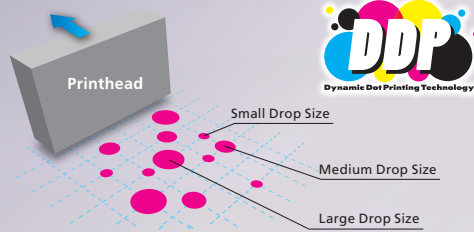
Dynamic Dot Printing Technology controls and optimizes dot size to produce rich, bold and glossy colors with fine details. DDP also creates high density printing without any loss in speed, giving the ColorPainter H3-104s backlit film capabilities.

## Enhanced SNM2 *2
### Smart Nozzle Mapping

Print with clogged nozzles → Print after using SNM

SNM compensates for clogged nozzles
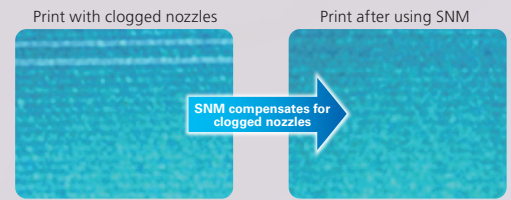
OKI's unique nozzle compensation function evolves to the next level. Smart Nozzle Mapping re-maps clogged nozzles so you can continue to print with perfect image quality. SNM2 can significantly reduce downtime and boost your productivity.

## Enhanced SP4
### Smart Pass Technology
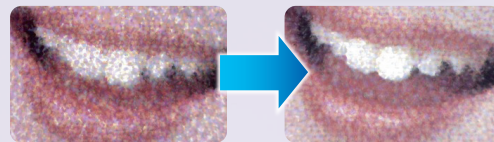
Smart Pass SP4

SP4 significantly reduces graininess in halftone areasand produces smooth skin tones.

With improved algorithms and masking technology, the 4th generation of Smart Pass Technology now more effectively reduces overspray and eliminates pass-to-pass banding. Optimizing the effect for each print mode, SP4 brings superb image quality to versatile applications.

## Gray and Light Gray Ink

With Gray and Light Gray inks, the Color-Painter H3-104s is capable of expressing real gradation, light shadows and metallic texture which can not be achievable with composite colors.

Integrating advance technology to maximize the performance of SX inks, the ColorPainter H3-104s delivers unmatched productivity and quality while reducing the impact on the environment.
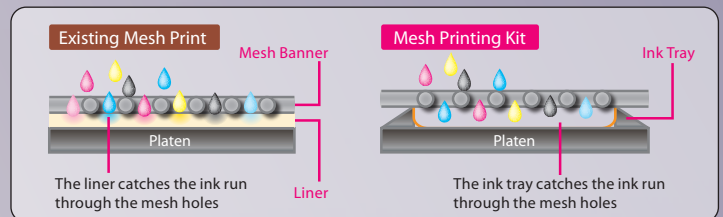
## SSS
### Safe Scanning System

SSS minimizes the damage on the print surface due to the print heads touching the media. You can choose from four operating modes according to your needs. When contact between the print heads and the media is detected, you can quickly pause the job, correct the media, and then resume the print job without canceling it. This reduces wasted time, ink and media.

### SSS
SAFE SCANNING SYSTEM

Scanning direction
Printhead
Wrinkles
Media
Sensor
Detects wrinkles
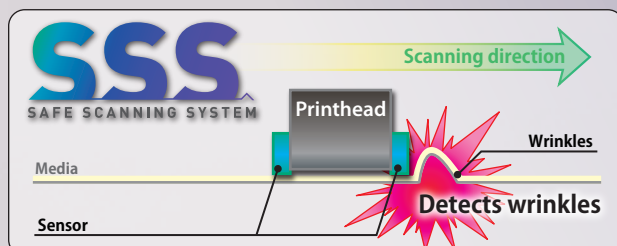
## Mesh Printing Kit *3

Optional mesh print ink tray enables printing on mesh banner without liner.

Existing Mesh Print
Mesh Banner
Platen
The liner catches the ink run through the mesh holes
Liner

Mesh Printing Kit
Ink Tray
Platen
The ink tray catches the ink run through the mesh holes

## Double-Sided Printing Support *4

Alignment line is printed to support double-sided printing. You can easily align the reverse side and face side along the lines.

## ColorPainter H3-104s  (IP-7900-22/23)

| | |
|---|---|
| Print Head | High Frequency drop on demand piezo |
| Number of Nozzles | 508 nozzles/head |
| Maximum Resolution | 900 dpi |
| Maximum Media Width | 2,642 mm (104") |
| Maximum Print Width | 2,632 mm (103.6") |
| Printing Speed | 3.8 smph (41 sfph) to 56.6 smph (609 sfph) |
| Media Weight | Up to 120 kg (264 lbs) |
| Maximum Media Diameter | 350 mm (13.8") |
| Margin Size | 5 mm (1/5") on each edge (with rolled media, without edge guards) |
| Maximum Print Length | PVC 100 m (328'), other media 50 m (164') (Print data size depends on RIP) |
| Head height | Automatic adjustment |
| Ink Type | Low-Odor and Eco Solvent: SX |
| Color | 8 (C, M, Y, K, Lc, Lm, Gy, Lgy) |
| Maximum Ink Capacity | 1.5 liters per color |
| Media | PVC, Banner and other media designed for solvent inks. |
| Heater | 3-way built-in heaters (Pre, Print, After) Maximum 70 ℃ |
| Take-up Modes | Loose/Inner, Loose/Outer, Tension/Inner, Tension/Outer |
| Interface | USB 2.0 |
| Power Source | 200 to 240 VAC, ±20% |
| Power Consumption (Printer) | 1,440 W or less |
| Power Consumption (Heater) | 2,880 W or less |
| Operating Environment | 15 - 30 ℃ (59 - 86 ℉), 30 - 70 % RH (no condensation) |
| Storage Environment | 5 - 35 ℃ (41 - 95 ℉), 10 - 80 % RH (no condensation) |
| External Dimensions | 4126 (W) x 1366 (D) x 1513(H) mm(162" x 54" x 60") |
| Weight | 600 kg (1,322 lbs) or less without media and inks |

## Option

| | |
|---|---|
| IP7-013 | Exhaust Attachment |
| IP7-011 | Mesh Kit 104 |
| IP7-014 | Foot switch |
| IP7-015 | Scroller |
| IP7-023 | Tensioner 104 |
| IP7-025 | Offset loading kit 104 |

## Consumables

| | |
|---|---|
| IP6-221 | SX Ink Yellow 1.5-liter |
| IP6-222 | SX Ink Magenta 1.5-liter |
| IP6-223 | SX Ink Cyan 1.5-liter |
| IP6-224 | SX Ink Black 1.5-liter |
| IP6-225 | SX Ink Light Cyan 1.5-liter |
| IP6-226 | SX Ink Light Magenta 1.5-liter |
| IP6-227 | SX Ink Gray 1.5-liter |
| IP6-228 | SX Ink Light Gray 1.5-liter |

## SUPPORT

OKI Data Infotech provides customer service through its worldwide distributor network.



**Fast. Precise. Reliable.**

Focusing on "**Time**", OKI Data Infotech Corporation has been dedicated to pursing the ideal for wide format printers for sign and graphics professionals. "**Color On Time**" represents our credo for "**Manufacturing**" with "**Fast**", "**Precise**" and "**Reliable**" as the three key elements. We strive to develop and manufacture products and services that benefit customers' "**Time**".

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Seiko I Infotech Inc. has changed its name to OKI Data Infotech Corporation.