



OnsetX1

Inca OnsetX1

The Inca OnsetX1 is ideal for companies producing a mix of fast-turnaround retail graphics for distance viewing or high-quality images for close-up viewing. OnsetX1 features a single set of CMYK with the option of adding light inks to smooth images, orange ink to expand the color gamut and two white channels of ink to expand application potential. Using Dimatix printheads with a native 14 picoliter drop size, innovative Tier Drop technology allows 11 - 14 - 17 picoliter options to meet changing speed and quality needs.

OnsetX1 is capable of producing sellable output at speeds in excess of 4,304 ft²/hr equating to 80 5' x 10' beds per hour. Advanced features in the OnsetX series include an innovative vacuum table design and GUI to provide a powerful yet simple-to-use printer and job management tool. The OnsetX series offers many of the features associated with the previous Onset range, including intelligence features like iNozzle mapping, a wide color gamut, advanced job management and automation. In addition, OnsetX1 produces superb POP-quality display graphics economically up to 1.8" (46mm) thick. Additionally, the ability to vary the gloss level directly from the operator console gives the user the flexibility to set the desired print finish on a per job basis.

Scalable
Functionality
Powerfully
Profitable
HighSpeed
High Volume
UV flatbed

Inca OnsetX1 Features:

- High Quality, high speed output up to 80 beds an hour
- iNozzle auto nozzle mapping technology
- 25 zoned vacuum print bed
- Variable print finish levels from satin to high gloss
- Automated UV sensors for printhead protection
- IncaConnect Software options for work flow integration and improved efficiency
- Inca Vision remote diagnostics software

ZONED VACUUM BED WITH 25 ZONES

The OnsetX1 has 25 user selectable zones on the print bed. The 25-zone bed features a powerful vacuum system and table skin design which completely eliminates the need for bed masking when printing on substrates up to 3mm thick.

USER INTERFACE

For the OnsetX Series, Inca has developed a GUI to provide a powerful yet simple-to-use printer and job management tool. It is easy to finalize and initiate jobs, save settings, create print queues and manage and optimize every stage of the print process. Improved off-machine job set-up means jobs arrive at the printer with more predefined parameters - substrates, print speed, quality mode, gloss level, etc. - already specified.

ONSETX1 – SINGLE CMYK

The OnsetX1 single CMYK configured press offers an affordable solution for fast and accurate printing for a wide range of point of sale and graphic display applications. Four ink channels are populated with CMYK. Light Cyan and Light Magenta inks can be added to the configuration to provide smoother tones and gradations. A channel of orange ink can be added to expand the color gamut. Two channels of white can be added to expand the range of output.

UVIJETINK

The Fujifilm Uvijet family of inks offers excellent adhesion and flexibility. Uvijet inks have been developed for a wide range of media. Ideal for both indoor and outdoor applications including banners, POP, backlit images, exhibition graphics, signage, printing onto glass, metal, acrylic and board for example. These inks have been specifically formulated to maximize production output and provide a wide color gamut coupled with vibrant colors.

OPTIONAL HANDLING SYSTEMS

The optional handling systems for OnsetX1 maximize the throughput of the printer by reducing handling time from 20-45 seconds manually, down to less than 6 seconds with automation.

There are two different load systems. With a 3/4 automation system, a pre-load table allows the operator to place and pre-register the sheet(s) while the press is printing. Alternatively, there is a fully automated Hostert® autoloader system, which allows 1 to 4 sheets to be loaded simultaneously. Both feed systems are paired with a robotic offloader, which removes the sheets from the print bed to a finished stack; the unload unit can be configured with long edge or short edge access.

Printheads	Beds Produced Per Hour	Feet ² Produced Per Hour
12 pass Bi-di Satin • Gloss	80 • 61	4,304 • 3,282
16 pass Bi-di Satin • Gloss	62 • 50	3,336 • 2,690
18 pass Bi-di Satin • Gloss	60 • 48	3,228 • 2,615
24 pass Bi-di Satin • Gloss	48 • 41	2,582 • 2,206
32 pass Bi-di Satin • Gloss	33 • 29	1,829 • 1,614

Print speeds based on 100 RID

SPECIFICATIONS: Inca OnsetX1

Print Area

- ▶ Rigid and flexible sheets up to 126.8" x 63" (3.22m x 1.6m) (edge to edge printing)

Print Finish

- ▶ Variable, Satin to Gloss

Max. Substrate Thickness

- ▶ Manual: 1.8" (46mm)
- ▶ With Automation: 0.71" (18mm)

Maximum Substrate Weight

- ▶ 44 lbs (20kg) at full table speed manual operation
- ▶ 176 lbs (80kg) at reduced table speed manual operation
- ▶ 22 lbs (10kg) using automatic handling

RIP

- ▶ Caldera Grand RIP+
- ▶ ColorGATE Production Server (Fujifilm edition),

Fujifilm Uvijet UV Inks

- ▶ OX, OW or OL ink series

Space Required

- ▶ Manual:
 - 14'5" x 41' x 7'2" (4.4m x 12.5m x 2.2m) + Chiller
- ▶ 3/4 Automation:
 - Long Edge – 516.9" x 340.4" (13.13 m x 8.65 m) + Materials Handling + Chiller
 - Short Edge – 544.8" x 307.8" (13.84 m x 7.82 m) + Materials Handling + Chiller
- ▶ Full (Hostert) Automation (Hostert Autoloader + Robot Offloader):
 - Long Edge – 521.3" x 403.7" (13.24 m x 10.25 m) + Materials Handling + Chiller
 - Short Edge – 542.4" x 374.7" (13.78 m x 9.52 m) + Materials Handling + Chiller

Power

- ▶ Machine Power: Rated voltage 400Vac; 3-phase and Protective Earth/Ground; 125A per phase
- ▶ Supply Voltage Tolerance 400 – 480V ±10% (i.e. 360V to 528V)
- ▶ Chiller Power: 380-480V ac, Three-phase, 50/60Hz, supplied via 30 amp circuit breaker

Factory Air requirement

- ▶ 90 PSI (6 bar for press only)

Network

- ▶ 1000 Base-T

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