



Onset X1

Inca Onset X1

Scalable
Functionality
Powerfully
Profitable
High Speed
High Volume
UV flatbed

The Inca Onset X1 is ideal for companies producing a mix of fast-turnaround retail graphics for distance viewing or high-quality images for close-up viewing. Onset X1 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. Depending on whether applications are focused on quality or speed, one of three printhead classes can be selected, offering the option of 9-picoliter (Q Class), 14-picoliter (R Class) and 27-picoliter (S Class) drop sizes.

Onset X1 is capable of producing sellable output at speeds in excess of 5,900 ft²/hr equating to 112 5' x 10' beds per hour. NEW features in the Onset X series include a new vacuum table design and a new GUI to provide a powerful yet simple-to-use printer and job management tool. The X 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, Onset X1 produces superb POP-quality display graphics economically up to 1.97" (50mm) thick. Additionally, the ability to vary the gloss level directly from the operator console gives the user the flexibility to set the desired gloss level on a per job basis.

To ensure maximum throughput, the Inca Onset X1 is compatible with Inca's flexible automation systems which offer customers the choice to operate in manual, three quarter or full automation, as well as Inca's Software Suite which includes Reporter Pro, Inca Vision and Print Run Controller (PRC) software.

Inca Onset X1 Features:

- High Quality, high speed output up to 112 beds an hour
- iNozzle auto nozzle mapping technology
- 25 zoned vacuum print bed
- Variable gloss levels from satin to gloss
- Automated UV sensor and printhead protection
- Reporter Pro provides costing data
- Print Run Controller for management of versions and variable print runs
- Inca Vision remote diagnostics software

ZONED VACUUM BED WITH 25 ZONES

The Onset X1 has 25 user selectable zones on the print bed. The 25-zone bed features a powerful new 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 Onset X Series, Inca has developed a new 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.

ONSET X1 – SINGLE CMYK

The Onset X1 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.

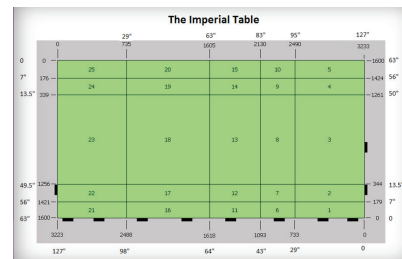
UVIJET INK

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 bright colors.

OPTIONAL HANDLING SYSTEMS

The optional handling systems for Onset increase the throughput of the press by 25-50% by reducing handling time from 20-45 seconds manually, down to as low as just under 7 seconds with automation. As a result, Onset can produce up to 120 beds per hour with automation as opposed to up to 69 beds per hour manually (with 30 seconds handling).

There are two different feed 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. The pre-load table allows accurate pre-loading of 1-up full bed sheets, or 3-up 40"x60" sheets. Alternatively, there is a fully automated feed system from Hostert, which allows 1 to 4 sheets to be loaded simultaneously with touch panel control over the feed system. Both feed systems are paired with the Onset take off system, which removes sheets from the print bed to a finished stack on an automated scissor lift. The unload unit can be configured as long edge, short edge or as a recessed inground unloader.



New user controllable vacuum zones are controlled via the Print PC

SPECIFICATIONS:

Inca Onset X1

Print Area

- ▶ Rigid and flexible sheets up to 126" x 63" (3.22m x 1.6m) (edge to edge printing)

Print Finish

- ▶ Variable, Satin to Gloss

Max. Substrate Thickness

- ▶ Manual: 1.97" (50mm)
- ▶ 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

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

Fujifilm Uvijet UV Inks

- ▶ OW, OB or OZ

Space Required

- ▶ Manual – 14'5" x 41' x 7'2" (4.4m x 12.5m x 2.2m) + chiller.
- ▶ Short-Edge Auto – 19'4" x 54'9" x 7'2" (5.9m x 16.7m x 2.2m) + materials handling
- ▶ Long-Edge Auto – 24'7" x 45'3" x 7'2" (7.5m x 13.8m x 2.2m) + materials handling

Power

- ▶ Machine Power: Three-phase Rated voltage 380-480V ac, 100A, 50/60Hz, Protective Earth / Ground
- ▶ 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

Product specifications are subject to change without notice.

| Printheads: | Beds Produced Per Hour | | | Feet ² Produced Per Hour | | |
|-----------------------------|------------------------|---------|----------|-------------------------------------|---------------|---------------|
| | Q Class | R Class | S Class | Q Class | R Class | S Class |
| 8 pass Bi-di Satin • Gloss | | | 112 • 81 | | | 5,906 • 4,295 |
| 10 pass Bi-di Satin • Gloss | | | 90 • 69 | | | 4,725 • 3,63 |
| 12 pass Bi-di Satin • Gloss | 61 • 47 | 80 • 61 | | 3,283 • 2,518 | 4,304 • 3,282 | |
| 16 pass Bi-di Satin • Gloss | 60 • 46 | 62 • 50 | 63 • 52 | 3,229 • 2,518 | 3,336 • 2,690 | 2,582 • 2,206 |
| 18 pass Bi-di Satin • Gloss | 59 • 45 | 60 • 48 | | 3,175 • 2,422 | 3,228 • 2,615 | |
| 24 pass Bi-di Satin • Gloss | 33 • 29 | 48 • 41 | | 1,778 • 1,549 | 2,582 • 2,206 | |
| 32 pass Bi-di Satin • Gloss | 33 • 29 | 33 • 29 | | 1,746 • 1,524 | 1,829 • 1,614 | |

Handling time is 8 seconds