Inca OnsetX1-LT

The Inca OnsetX1-LT is ideal for companies looking to produce fast-turnaround retail graphics. OnsetX1-LT features a single set of CMYK with the option of adding light inks to smooth images. A single channel of white can be added at time of install or as an in-field upgrade. The OnsetX1-LT grows with your business. It has the amazing print quality of the Onset series but offers an entry level investment. As the need for an increase in throughput grows, there's an easy upgrade path with minimal downtime that allows the X1-LT to increase productivity and become a full build Onset with automation.

OnsetX1-LT is capable of producing sellable output at speeds in excess of 3,000 ft^2 per hour equating to 40 5' x 10' beds per hour by utilizing a small droplet size (14 picoliters) jetted through up to 42,000 nozzles to produce crisp images, fine lines, sharp text and smooth tonal graduations.

The OnsetX1-LT offers many of the features associated with the OnsetX range, including a iNozzle mapping, a wide color gamut, variable satin to gloss finish and advanced job management. In Addition, the OnsetX1-LT produces superb POP-quality display graphics economically up to 1.8" (46mm) thick.

Remarkable **quality** **High Speed** **UV flatbed** grows with your business

Inca OnsetX1-LT Features:

- High Quality, high speed output up to 40 beds an hour at time of install
- Output increases to 58 beds per hour after the Level 1 Upgrade
- iNozzle auto nozzle mapping technology
- 25-zone 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

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ZONED VACUUM BED WITH 25 ZONES

The OnsetX1-LT 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-LT – SINGLE CMYK

The OnsetX1-LT 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. Light Cyan and Light Magenta can be added to the configuration, and that gives the operator the ability to enhance print quality, as light inks help with smoother color transitions of gradients and skin tones.

ONSETX1-LT - WHITE OPTION

OnsetX1-LT with white offers customers the opportunity to print a white layer under or over the CMYK content, using automatic print modes selected at the RIP. White can also be used as a spot color as part of the image. This can be configured with a 4-color or 6-color X1-LT. The excellent reliability of the recirculating print heads developed by Fujifilm Dimatix makes it possible to overprint or underprint white with confidence in the finished product.

White or light colors can be added at any stage of the printer's development, from the initial installation through the Level Two Upgrade.

EASY UPGRADE PATH

The X1-LT was designed to allow increased productivity with the ability to add throughput by upgrading the press through the Level One and Level Two. After the Level One Upgrade, throughput increases to 58 5' x 10' beds per hour with manual handling. Upgrade Level One adds a second UV lamp, additional electronics and additional print modes. With the Level Two upgrade and any of the three automation systems available for the Onset series, the press is capable of producing 80 5' x 10' beds per hour. The Level Two upgrade adds automation controls and electronics to support automation.

OPTIONAL HANDLING SYSTEM AFTER LEVEL 2 UPGRADE

The optional handling systems for the Onset increases the throughput of the press by 25-50% by reducing handling time from 20-45 seconds manually, down to as low as 6 seconds with automation. As a result, this Onset can produce up to 80 beds per hour with automation as opposed to up to 58 beds per hour manually (with 30 seconds handling).

SPECIFICATIONS:
Inca OnsetX1-LT

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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OnsetX1-LT Productivity					
	Entry Level Machine		**Upgrade Level 1**		**Upgrade Level 2**
Handling	Manual		Manual		Automation
Beds/hour	Throughput	40	Throughput	58	Throughput	80
ft²/hour	Speed	2,152	Speed	4,306	Speed	4,306
m²/hour	Speed	265	Speed	400	Speed	400

Throughput is the production of the machine and speed is the actual capabilities of the press with automated handling

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FUJIFILM North America Corporation, Graphic Systems Division
800-877-0555 • contactgraphics@fujifilm.com • www.fujifilmjetfilm.com
800-877-0555 • contactgraphics@fujifilm.com • www.fujifilminkjet.com
OnsetX1_lt_191125