OnsetX2

Remarkable
quality
Powerfully
Profitable
High Speed
High Volume
UV flatbed

Inca OnsetX2

The Inca OnsetX2 provides the capacity to extend the range of jobs and win more work with increased throughput. OnsetX2 features two sets of CMYK ink channels with the option of adding light inks to smooth images, orange ink to expand the color gamut and two white channels of ink to further extend application potential. Using Fujifilm 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.

OnsetX2 is capable of producing sellable output at speeds in excess of 6,889 ft^2/hr equating to 128 5' x 10' beds per hour. Features of 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, OnsetX2 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 flexibility to set the desired print finish on a per job basis.

Inca OnsetX2 Features:

- High Quality, high speed output up to 128 beds an hour
- 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
- Inca Vision remote diagnostics software

ZONED VACUUM BED WITH 25 ZONES

The OnsetX2 has 25 user selectable zones on the print bed. The 25-zone bed features a powerful vacuum system and 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.

ONSETX2 – DOUBLE CMYK

The OnsetX2 double CMYK configured press offers a solution for fast and accurate printing for a wide range of point of sale and graphic display applications. The double CMYK configuration enables the OnsetX2 to achieve outstanding print speeds. Eight ink channels are populated with CMYK - two channels per process color, while the remaining channels can be configured with light inks for smoother tones, orange ink for an expanded gamut and white ink to extend application possibilities even further.

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 vibrant colors.

OPTIONAL HANDLING SYSTEMS

The optional handling systems for OnsetX2 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	Feet² Produced Per Hour
6 pass Bi-di Satin • Gloss	128 • 90	6,889 •4,844
8 pass Bi-di Satin • Gloss	100 • 74	5,382 • 3,983
12 pass Bi-di Satin • Gloss	78 • 60	4,198 •3,222

Print speeds based on 100 RID

SPECIFICATIONS:
Inca OnsetX2

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 + ChillerHostert Automation (includes 10' width for fork truck access):
▸ 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