


OnsetX3HS

Inca OnsetX3 HS

The Inca OnsetX3 HS is the latest addition to the market-leading Inca Onset range of full-bed array wide-format UV flatbed inkjet printers. The OnsetX3 HS is the ultimate in throughput. The 14 channels feature three sets of CMYK with the option of two white channels of ink and a 14-picoliter drop size.

OnsetX3 HS is capable of producing sellable output at speeds in excess of 15,600 ft²/hr equating to 283 5' x 10' beds per hour. The OnsetX series now includes a range of enhancements that result in much higher print speeds and machine utilization, and therefore higher productivity. These enhancements are available in the OnsetX HS models within the range.

To ensure maximum throughput, the Inca OnsetX3 HS is compatible with Inca's flexible automation systems that provide the choice to operate in manual, three quarter or full automation.

Maximum
Throughput
Powerfully
Profitable
High Speed
High Productivity
UV flatbed

Inca OnsetX3 HS Features:

- High Quality, high speed output up to 283 beds an hour
- iNozzle auto nozzle mapping technology
- 25-zone vacuum print bed
- Variable print finish levels from satin to high gloss
- Reduced job changeover time with '30 Second Setup"
- IncaConnect Software options for work flow integration and improved efficiency
- Automated UV sensors and printhead protection
- Choice of Uvijet inks to best suit application demands

ONSET HS MODELS

The OnsetX HS models are capable of ultra-high productivity and fast turnaround times with no compromise to quality. This means you can take on and turn around more work and improve the service you offer your customers to enhance your competitive edge.

The amazing productivity of the OnsetX3 HS models is due to a combination of job setup time, press uptime and reliability, raw print speeds and actual throughput and productivity.

ZONED VACUUM BED WITH 25 ZONES

The OnsetX3 HS has 25 user selectable zones on the print bed. The 25-zone bed features a powerful new vacuum system and skin design, and independently controlled vacuum zones reduce the need for bed-masking.

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.

ONSETX3 HS – TRIPLE CMYK

The OnsetX3 HS triple CMYK configured press offers a solution for fast and accurate printing for a wide range of applications. The triple CMYK configuration enables the OnsetX3 HS to achieve outstanding print speeds. Twelve ink channels are populated with CMYK - three channels per process color. With fourteen available channels, the remaining two channels can be used for white or a single channel of orange can be added, to best suit on the needs of your business.

UVIJET INK

The Fujifilm Uvijet family of inks offers versatility, 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 corrugated 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 OnsetX3 HS 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.

SPECIFICATIONS:

Inca OnsetX3 HS

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
- ▶ Dual Robot Automation (for corrugated handling):
 - Single Pick Footprint Long Edge Access: 514.8" x 366.6" (13.08 m x 9.31 m)
 - Single Pick Footprint Short Edge Access: 514.8" x 319.8" (13.08 m x 8.12 m)
 - Multi-Pick Footprint Long Edge Access: 514.8" x 475.6" (13.08 m x 12.08 m)
 - Multi-Pick Footprint Short Edge Access: 514.8" x 441.1" (13.08 m x 11.20 m)

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

Pass Mode	5' x 10" Beds/Hour	
2 pass	283	
4 pass	213	
6 pass	160	
8 pass	127	
Pass Mode	ft ² /Hour	m ² /Hour
2 pass	15,597	1,449
4 pass	11,743	1,091
6 pass	8,816	819
8 pass	6,997	650

Print speeds based on 100 RID with satin finish

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