

INCA ONSET

high quality short-run digital printing

FUJIFILM



Inca Onset A Breakthrough in Digital Printing

FLATBED UV DIGITAL PRINTING
*for high quality short-run point of
purchase and display graphics*

The Inca Onset is designed primarily for the point of purchase display graphics market. Its superior print speed alters the dynamics achievable for UV digital printing compared to traditional screen and offset technologies.

The print industry continually seeks increased productivity, reduced costs and greater flexibility in new print processes. This forces printers to invest in new technologies often before they have been fully proven.

The Inca Onset removes this uncertainty by using proven technology to maximize reliability and reduce overall cost of ownership.

Inca Onset provides ultra-quick make ready in seconds, no plate or blanket changes, no fountain or roller maintenance, extreme versatility in substrates and fast return on investment for short print runs compared to traditional offset technologies.

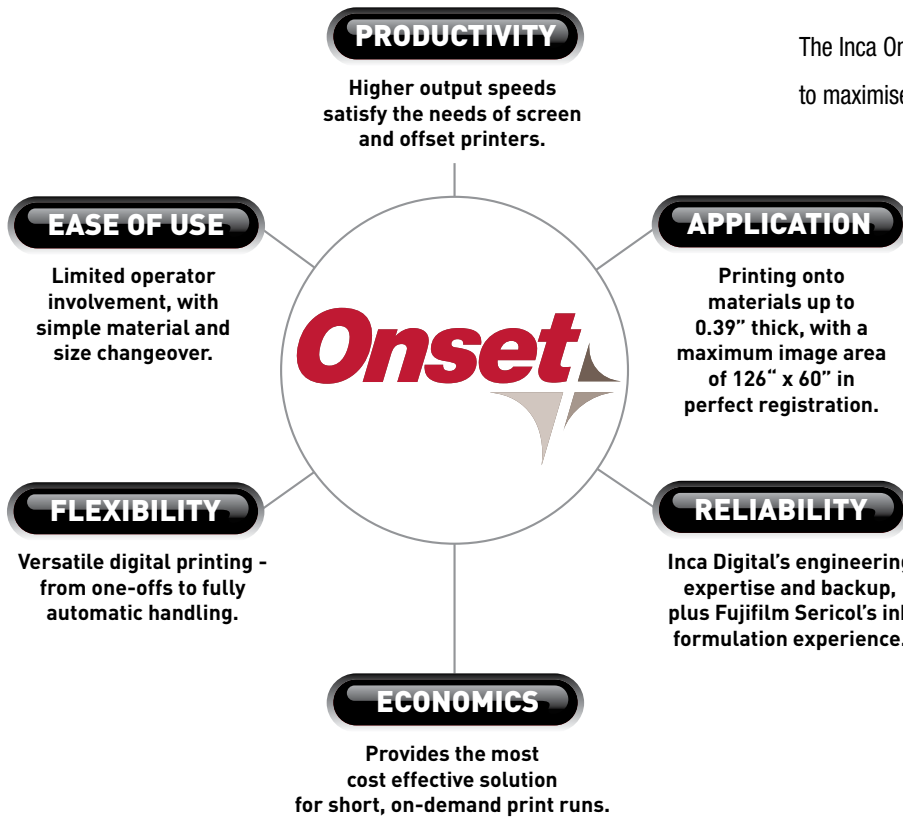
Inca Onset:

- Speeds up to 5,380 sqft/hr
- Moving bed design for maximum productivity
- Strong vacuum capable of handling irregular material
- Double sided printing in perfect registration
- Fully automatic, semi-automatic, and manual material options
- Choice of finish (satin or gloss)
- Uses Fujifilm Sericol Uvijet ink

**Digitally
Driven**

A Breakthrough in Digital Printing

The adoption of UV inkjet ink technology has provided the print industry with a cost-effective method for producing high quality short-run Point of Purchase display graphics and signage. Having pioneered the development of digital flatbed, Fujifilm and Inca Digital continue to innovate in productivity and image quality.



The combination of Inca Digital's engineering and imaging expertise with Fujifilm Sericol's experience of UV ink formulation results in innovative print solutions which deliver the highest return on investment through:

- High print speeds
- Excellent image quality
- World class reliability and machine/ink performance

The Inca Onset represents a significant advance in flatbed inkjet technology, and will change the way in which display graphics are produced, now and in the future.

The Visual Communication Industry – A Changing World

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*AutoSpeed
automatic material handling system*



Print-head array:
24 print modules with 24
FUJIFILM Dimatix Spectra
print heads per module

Onset



The Uvijet Advantage

FUJIFILM Sericol Uvijet UV curable inks are specifically formulated to match the productivity and expected application range for the Inca Onset. Uvijet inks deliver vibrant colours and durability for both internal and external applications.

Micro-V Dispersion

The use of Micro-V dispersion technology maximizes pigment loading in Uvijet inks to achieve high colour strength while maintaining ink stability. The ultra-fine dispersion technique creates a smaller particle size, which prevents filter blockage and doesn't adversely affect print heads.

Uvijet inks for the Inca Onset are supplied in 5kg boxes which ensures quick, clean and simple changeover, with no downtime.



Key Features of FUJIFILM Sericol Uvijet

- Improved cure performance – no loss of adhesion at high print speeds.
- Improved finishing properties – the ink film is less prone to edge chipping when prints are guillotined, routed or folded.
- Improved adhesion to polystyrene, foam PVC and semi-rigid PVC.
- Multi-substrate performance for indoor and outdoor applications for up to two years.
- Less prone to curl on thin gauge PVC than other UV inkjet ink systems.
- Variable print finish increases application range.

Material Handling

Fully automatic or manual

The Inca Onset is equipped with a fully automatic material handling system for maximum production efficiency. But recognizing the fact that not all material printed will be a standard format size or thickness, the print bed is immediately accessible - maximizing versatility.

Print Accuracy and Reliability

The Inca Onset is configured to produce the highest print quality. It has 24 print modules each containing 24 FUJIFILM Dimatix Spectra print heads (CMYK). A built-in automatic head cleaning station ensures consistent quality and simple ease of use.

Curing

The Uvijet UV inks are cured instantly by a dual lamp system. This ensures that the inks are fully cured using the lowest energy levels possible per media type, and the print finish can be adjusted for satin or gloss.

Application Range

The Inca Onset can be used for a wide variety of applications, including:

- Point of Purchase displays
- Exhibition graphics
- Backlit displays
- Outdoor signage
- Lenticular 3D printing

SPECIFICATIONS:

INCA ONSET

PRINT AREA

- 3200 x 1524mm (126 x 60")

SUBSTRATE THICKNESS

- 10mm with Automatic
- 15mm with Manual

PRODUCTIVITY*

Print speed (throughput)

- Satin standard 5,380 sqft/hr
- Satin quality 4,520 sqft/hr
- Gloss standard 4,520 sqft/hr
- Gloss quality 3,767 sqft/hr

PHYSICAL CHARACTERISTICS

Power Supply

- Printer - 380-420V AC, 3-phase
- AutoSpeed unloader - 415V AC, 3-phase positive

Dimensions

- Width - 33'5"
- Length - 42'2"
- Height - 6'8"
- Space Requirement - 70' x 43'

Approximate Weight

- Printer - 26,455 lbs
- AutoSpeed unloader - 5,512 lbs

Factory Air Requirement

- Printer - 90psi
- AutoSpeed unloader - 50psi

RIP

- Wasatch SoftRIP® v6.0 or higher

Network Requirements

- 1000BaseT

MACHINE FEATURES

Printing Systems

- Technology - Piezo drop-on-demand inkjet
- Process - 4 color, CMYK

Print Modules

- 24 (6 per colour)

- Full Vacuum Table
- Micro height adjustment control for maximum print quality
- Edge-to-edge printing
- Double-side printing in perfect registration
- Fixed dual registration points

* Subject to change as continued optimization occurs.