THE INCA ONSET M

The Inca Onset M printing system offering a digital solution for B1 offset, screen and industrial printing markets. The Inca Onset M printer uses proven technologies found on high end printers such as the Inca Onset X Series and mid-range workhorse, the Inca SpyderX.

CUSTOMERS

B1 Format
Our customers wanted a machine that would print B1 format avoiding the need to load multiple sheets on large format digital printers

Print Quality
Our customers wanted to produce near offset print quality, whilst having all of the advantages of a digital solution

More Substrates
Our customers wanted to work with substrate thickness' that could not be printed on offset equipment

Short Run
Our customers wanted a digital printer that was suitable for shorter runs avoiding the need to interrupt higher volume offset or digital production

NOTHING LESS THAN AN INCA ONSET X IN B1 FORMAT...

Productivity and quality maintained with robust mechanics, precision motion control, automatic cleaning system and nozzle mapping software

Scalable architecture to build a system to fit your business needs with 8 configurable colour channels

Automation options to reduce operator handling include manual, semi and fully automatic systems

Advanced software features for ease of use and integration into your business

HISTORY OF INCA

Inca has developed from a small Cambridge start-up company to become one of the world's leading inkjet pioneers. The Onset X Series, launched in 2015, is the current pinnacle of digital printing.

With 25% of staff involved in R&D and supported by significant investment, Inca strives to maintain its position at the forefront of machine productivity, innovation, quality and reliability.

Alongside its R&D facility, Inca's HQ in Cambridge is home to its 20,000m² of manufacturing facility, customer support hub, and a dedicated training facility.
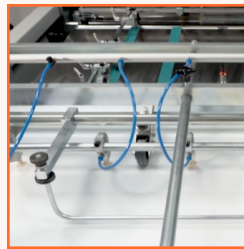
CONTACT INCA

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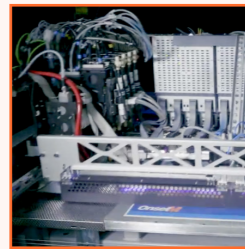**Email: sales@incadigital.com**
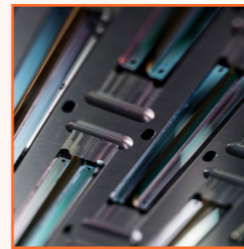**Website: www.incadigital.com**

Material Handling
Configurable with full, semi or manual automation options allowing for the system to be tailored to your business needs. Full automation eliminates material handling on press maintaining productivity, reducing labour and allowing your operator to focus on print quality.
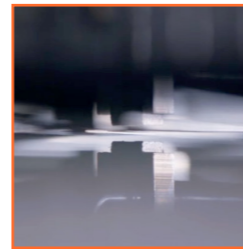
Digital Print Engine
Scalable, configurable print engine architecture that can be upgraded in the field to fit and grow with your business needs. Available as either a single or double CMYK configuration with the ability to add light colours, white and special inks.
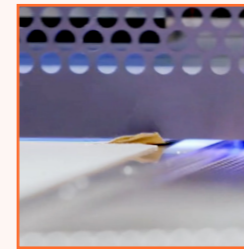
Small Drop Print Heads
Small drop, 7pl print heads produce crisp 4pt text and smooth colour transitions ideal for close viewing distances. Recirculating print heads increase nozzle open time and reduces print head maintenance.
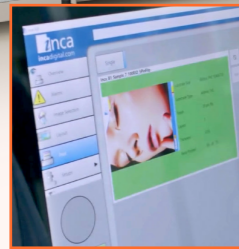
Automated Print Head Cleaning
Automated print head cleaning is proven to prolong the life of the print heads and used in conjunction with targeted manual cleaning, automated print head cleaning significantly reduces the cost of ownership.
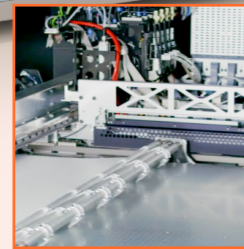
Collision Avoidance System
State of the art mechanical collision avoidance system to protect your investment. Avoids substrate collision with print heads, UV-LED pinning lamps and the InQA scanner system.

Inca's Software
Inca's user interface is a powerful yet simple-to-use printer and job management touch screen interface. IncaVision is a software-based customer support service unique to Inca allowing for remote monitoring and diagnostics of Inca's printers in the field. IncaConnect allows for integration and customisation to existing workflows.
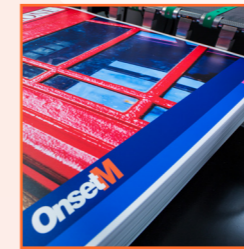
Auto Zoning Vacuum Table
Fixed position zero masking vacuum table designed for excellent stability, precision sheet hold-down and consistent print accuracy and print uniformity across the complete table area.

UV-LED Pinning and UV Final Cure
UV-LED pinning system custom designed and developed by Inca. Uses proven UV-LED technology with life expectancy exceeding 20,000 hours, reducing heat exposure to sensitive substrates, improving the drop registration and the overall print quality. Individually switchable UV-LED pinning for zero UV masking. Final UV cure through a tunnel provides excellent adhesion and durability.

Post-Processing
Accurate registration and repeatability allows for ease of post-processing.

SPECIFICATION

Printer Type	Digital, sheet-to-sheet, full width scanning
Productivity	Up to 202 sheets/hour
Resolution	Up to 1350 dpi
Handling	Full automation: feeder & stacker
Media	Papers: coated/uncoated, carton-board, micro-flute; Plastics: PP, PS, PVC, PE, PETG
Material Size	Max: 1050mm (41.3") x 750mm (29.5") x 10mm (0.4") Min: 530mm (20.8") x 380mm (14.9") x 0.1mm (0.004")
Print Size	1040mm (40.9") x 714mm (28.1") (5mm (0.2") margin on all edges)
Registration	Accurate to +/-0.5mm (+/-0.02") or +/-0.1mm (+/-0.004") with optical alignment (optional)
Print Heads	Fujifilm Dimatix QFR7
Ink Type	Inca Ink
Ink Channels	8 channels, 12 heads per colour
Colours	CMYK
Quality	4pt Western, 5pt reverse text
Configurations	2 x CMYK
RIP	Caldera, ColorGATE®