



OnsetM

Productive
Profitable
 High Quality
UV Digital Inkjet
 Sheet-fed printer
for short run work

Inca OnsetM

OnsetM is a small-format, high quality digital printer designed to address the evolving needs of the commercial, display graphics, packaging and industrial print markets.

This B1 format (27.8 x 39.4" or 707 x 1000mm) inkjet printer is robustly designed to output short run jobs with remarkable quality. Using Fujifilm Uvijet inks and Fujifilm Dimatix printheads, the OnsetM produces vibrant colors, smooth gradients and fine text that rivals offset print.

This powerful printer is capable of producing a wide variety of products. OnsetM delivers high speed production with sharp, pinpoint accuracy up to 200 sheets per hour.

Inca OnsetM Features:

- High quality B1 size output up to 202 sheets an hour
- Material handling systems provides accurate registration and repeatability
- iNozzle nozzle mapping technology for consistent print quality
- Full-width array of printheads for a smooth finished print
- Full automation eliminates manual material handling
- Automated printhead cleaning
- Remote diagnostics software with IncaVision

INTELLIGENT FEATURES

Consistent quality and productivity on the OnsetM is achieved by the intelligent features on the printer:

- **Automated cleaning station** - Helps to maintain the printheads without manual operator intervention, avoiding compromising on throughput and quality
- **On-board nozzle mapping technology** - Allows the machine to manage deviated or missing nozzles without slowing down production or a loss in quality
- **Mechanical Substrate Height Detector System** - Detects lift across the material and ignores small defects in the surface which do not pose a risk to the print carriage, reducing unnecessary stoppages and downtime

USER INTERFACE

For OnsetM, Inca has developed a GUI to provide a powerful yet simple-to-use printer and job management tools:

- Easy to finalize and initiate jobs
- Save settings
- Create print queues
- 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
- Pass mode
- Other print settings already specified

CONFIGURATION OPTIONS

OnsetM is available with either a single or double set of CMYK. With a second bank of CMYK printheads configured in the printer, speed increases and results in greater throughput of OnsetM. With a single set of CMYK and two channels of white, applications can be expanded to print on clear and colored substrates.

UVIJET INKS

The FUJIFILM Uvijet of inks offers excellent adhesion and flexibility. Uvijet KX and KH inks have been developed for the OnsetM series of printers, and have been formulated to adhere to a wide range of substrates and are ideal for both indoor and outdoor applications. These inks have been specifically formulated to maximize production output and provide a wide color gamut coupled with bright colors.

DIMATIX PRINTHEADS

Trusted and reliable printheads developed by FUJIFILM Dimatix, the world's leading provider of inkjet printheads for commercial and industrial printing, are configured in OnsetM and feature a single printhead replacement design. OnsetM also has an on-board optical printhead alignment and calibration system which maintains factory quality and productivity.

SPECIFICATIONS:

Configuration Options

- ▶ CMYK, CMYKCMYK & CMYKWW
- ▶ Maximum of 8 channels
- ▶ 12 printheads per color channel

Substrate Size

- ▶ Maximum: 41.3" (1050mm) x 29.5" (750mm)
- ▶ Minimum: 20.9" (530mm) x 15.0" (380mm)

Print Size

- ▶ 40.9" (1040mm) x 28.1" (714mm)
- ▶ 5mm clear margin on all edges

Substrate Thickness

- ▶ 0.1mm (0.004") - 10mm (0.4")

Curing

- ▶ LED pinning with UV tunnel for final cure

RIP

- ▶ Caldera Grand RIP+
- ▶ ColorGATE Production Server (Fujifilm edition)

FUJIFILM Uvijet UV Inks

- ▶ Uvijet KX ink series & Uvijet KH ink series

Space Required

- ▶ Footprint (doors open, space for loading/maintenance): 441" (11200mm) x 209" (5300mm) x 95" (2400mm)
- ▶ Complete system (all doors closed): 369" (9360mm) x 132" (3350mm) x 69" (1750mm)

Power

- ▶ Rated voltage 400Vac @ 3-phase and Protective Earth/Ground, 1 00A total
- ▶ One 60A supply for printer and autoloader, one 40A supply for UV curing tunnel and stacker

Factory Air Requirement

- ▶ Minimum 6 bar, 0.3m³/min (minimum 6 bar, maximum 9 bar) to a 20mm diameter push fitting

Network

- ▶ 1000 Base-T

Product specifications are subject to change without notice.

Speeds for OnsetM

Pass Mode	Productivity (sht/hr)
CMYK x 2 model	
6 Pass	202
8 Pass	187
10 Pass	169
CMYK model	
12 Pass	133
14 Pass	124
16 Pass	114
CMYK + WW model	
CMYK + 1 White layer	55
CMYK + 2 White layer	35
CMYK + 3 White layer	25