

Onset

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PRODUCTIVITY: High digital output speeds to satisfy the needs of both screen and offset printers.

ECONOMICS: Provides the most cost effective solution for print runs up to 1,000 off.

PRINT FINISH: Option of gloss or matt print finish without varnishing.

APPLICATION: Printing onto materials up to 10mm thick, with a maximum image area of 3.2m x 1.5 m

RELIABILITY: Inca Digital's engineering expertise plus innovative ink formulation experience brings you a package designed to run 24/7.

OUTSTANDING PRINT QUALITY: Full width printheads have set a new print quality standard for digital print.

FLEXIBILITY: Versatile digital printing – the Onset configuration allows you the option for manual handling one offs, plus higher automation options for medium to long runs.

EASE OF USE: Limited operator involvement with simple material and size changeover.

Onset Technical Specification

Product Description

■ Flatbed inkjet printing press

- Maximum substrate size 3.2 m x 1.6 m (126 in x 63 in)
Note: This is sheet size – see print area below
- Maximum substrate thickness 10 mm (0.4 in) automatic mode, 19 mm (0.75 in) manual mode
- Maximum substrate weight 10 kg evenly spread
- Print area 3.2 x 1.524 m (126 x 60 in)

■ Operator console including screen and panel view

■ Load/unload options

- Fully automatic
- Automatic unload
- Assisted load
- Fully manual

■ 4 x UV curing lamps

■ Uni-directional and bi-directional print

Including:

- Installation kit
- Operator training
- Operator manual
- RIP training

Physical Machine Dimensions	
Width	10.20 m (402 in)
Length	12.90 m (508 in)
Height	2.2 m (87 in)
Footprint	Minimum 15.5 m (610 in) x 10.2 m (402 in) x 12 m (472 in) (including safety scanner zones)
Weight	Approximately 12,000 kg plus chiller. Automation: 2500 kg
External Chiller	853 mm high x 775 mm long x 570 mm wide
Console	Onset has a separate control console
User Interface	
Console	Print PC Free standing control console with screen, mouse and keyboard
Media	
Max Print Size	3.2 x 1.524 m (126 x 60 in)
Max Substrate Thickness	10 mm / 0.4 in using automation 19 mm / 0.75 in Manual load and unload
Cleaning/Treatment	Substrate should be free of dust Solutions are available from Fujifilm Sericol for pre-treatment and to promote adhesion
Machine Configurations	Automation options available
Media	A wide range of rigid materials and flexibles including plastics, paper, corrugated and display board
Printing Technology	
Heads	144 printheads per colour. 576 printheads in total
Drop Size	28 ng
Resolution	600-1000 dpi
Inks and Curing	
Inks	CMYK system using Fujifilm Sericol UV cure inks
Curing	Quad mercury UV lamp. Tack-free immediately after printing for stacking output
Bulk tanks	Refill during printing

Printing	
Maximum Substrate Weight	20 kg/44 lbs at full table speed 10 kg / 22 lbs using Automatic handling
Throughputs and Modes	4 pass bi-di 700 m ² /hr (7534 ft ² /hr) Satin Finish 145 beds/hr 4 pass 500 m ² /hr (5382 ft ² /hr) Satin Finish 105 beds/hr 7 pass 420 m ² /hr (4521 ft ² /hr) Satin Finish 88 beds/hr 4 pass 420 m ² /hr (4521 ft ² /hr) Gloss Finish 88 beds/hr 7 pass 350 m ² /hr (3767 ft ² /hr) Gloss Finish 73 beds/hr
RIP	
RIP Hardware	Specification available
RIP Software	Wasatch or ColorGATE RIP software available
Requirements	
Power	380-420V AC, 3 Phase positive@ 250A per phase
Compressed Air	Onset: 6 Bar, 690 l/min, ISO8573.1:Class 1.4.1 Auto-speed 6 Bar, 665 l/min. HTB/Wandres 6 Bar, 476 l/min.
Network	Minimum 1000 Base T
Ventilation	250 mm external intake and outtake ducts for UV lamp cooling
Environment	
Temperature	20-30 °C Ambient
Humidity	Less than 80% humidity
Standards	
EMC	BS EN 61000-6-2:2001 (Immunity) BS EN 61000-6-2:2001 (Emissions)
Safety	UL compliant (not approved) CE Low Voltage and Machinery Directives Meets the requirements for compliance with CSA SPE-1000