

Onset Technical specification

Product Description

■ Flatbed inkjet printing press

- Maximum substrate size 3.2 x 1.6m (126x 63ins)

Note: This is sheet size – see print area below

- Maximum substrate thickness 10mm (0.4ins) automatic mode, 19mm (0.75ins) manual mode
- Maximum substrate weight 10kg evenly spread
- Print area 3.2 x 1.524m (126 x 60ins).

■ 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	10.20m (402ins)
Length	12.90m (508ins)
Height	2.2m (87ins)
Footprint	Minimum 15.5m (610ins) x 10.2m (402ins) x 12m (472ins) (including safety scanner zones)
Weight	Approximately 12,000kg plus chiller Automation: 2500kg
External Chiller	853mm high x 775mm long x 570mm 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 1.524m (126 x 60ins)
Max substrate thickness	10mm / 0.39ins using automation 19mm / 0.75ins 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	Various automation options available
Media	A wide range of rigid materials and flexibles including plastics, paper, corrugated and display board etc.

Printing Technology	
Heads	144 printheads per colour. 576 printheads in total
Drop Size	30ng
Resolution	600-1000 dpi

Inks and curing	
Inks	CMYK system using Fujifilm Sericol UV cure inks
Curing	Quad mercury lamp. Tack-free immediately after printing for stacking output
Bulk tank	Refill during printing

Printing	
Maximum Substrate Weight	20kg/44 lbs at full table speed 10kg / 22 lbs using Automatic handling
Throughputs and modes	4 pass bi-di 600m ² /hr (6458sqft/hr) Satin Finish 4 pass 500m ² /hr (5382sqft/hr) Satin Finish 7 pass 420m ² /hr (4521sqft/hr) Satin Finish 4 pass 420m ² /hr (4521sqft/hr) Gloss Finish 7 pass 350m ² /hr (3767sqft/hr) Gloss Finish

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, 690l/min, ISO8573.1:Class 1.4.1 Auto-speed 6 Bar, 665l/min. HTB/Wandres 6 Bar, 476l/min.
Network	Minimum 1000 BaseT
Ventilation	250mm 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 CSA Orange Sticker