



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

**COLOUR RANGE:** Choice of Orange, Violet, Lights and White

**ECONOMICS:** Provides a very cost effective solution for print runs up to 400 off

**PRINT FINISH:** Option of high gloss through to matt print finish without varnishing

**APPLICATION:** Printing onto materials up to 50mm thick, with a maximum image area of 3.12m x 1.6 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 continue the print quality standard for digital print set by Onset

**FLEXIBILITY:** Versatile digital printing – the S20 configuration allows you the option for manual handling one offs, plus semi automatic options for medium to long print runs

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

# Onset S20 Technical Specification

## Product Description

### ■ Flatbed inkjet printing press

- Maximum print area 3.14 m x 1.6 m (123.6 in x 63 in)
- Maximum substrate thickness 50 mm (2 in) in manual mode 10 mm (0.4 in) using automation
- Maximum substrate weight: 20 kg (44 lbs) in manual mode 10 kg (22 lbs) using automation

### ■ Operator console including screen, keyboard and mouse

### ■ ¾ Auto-load option

- Manual lay table
- Auto-unloader
- Multi-sheet feed facility.

### ■ 2 x UV curing lamps

### ■ Uni-directional and bi-directional print

#### Including:

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

Physical Machine Dimensions	
Width	5.20 m (205 in)
Length	10.8 m (425 in)
Height	2.2 m (87 in)
Machine Footprint	5.03 m (198 in) (not including tanks) x 10.83 (426 in) x 2.13 m (84 in) to include, safety zone door opening access plus chiller.
Weight	6000 kgs (13228 lbs)
Console	Onset S20 has a separate control console
User Interface	
Console	Free-standing console with TFT screen, mouse & keyboard
Media	
Max Print Size	3.14 m x 1.6 m (123.6 in x 63 in)
Max Substrate Thickness	50 mm (2 in) in manual mode 10 mm (0.4 in) using automation
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	26 printheads per colour
Resolution	600-1000 dpi
Inks and Curing	
Inks	Choice of configurations: CMYK, Light Cyan, Light Magenta or White using Fujifilm Sericol UV cure inks
Curing	Dual mercury UV lamps
Ink Tanks	Top loading 4 litre bulk tanks

Printing	
Maximum Substrate Weight	20 kg/44 lbs at full table speed 10 kg/22 lbs using ¾ auto handling option
Throughputs & Modes	16 pass bi-di 250 m <sup>2</sup> /hr Satin Finish 50 Beds/hr 16 pass uni-di 180 m <sup>2</sup> /hr Satin Finish 36 Beds/hr 16 pass bi-di 220 m <sup>2</sup> /hr Gloss Finish 44 Beds/hr 16 pass uni-di 150 m <sup>2</sup> /hr Gloss Finish 30 Beds/hr

RIP	
RIP Hardware	PC not included with machine
RIP Software	Wasatch or ColorGATE RIP software available

Requirements	
Machine Power	380-480V 3 phase 50/60 Hz @ 150A per phase
Chiller Power	380-480V 3 phase 50/60 Hz @ 30A per phase
Compressed Air	6 Bar, 0.3 m <sup>3</sup> /min, ISO8573.1: Class 1.4.1
Network	Minimum 1000 Base T

Environment	
Temperature	20-30 °C Ambient
Humidity	< 80% RH (non-condensing)

Standards	
EMC	BS EN 61000-6-2:2001 (Immunity) BS EN 61000-6-4:2001 (Emissions)
Safety	UL Compliant (not approved) CE Low Voltage and Machinery Directives Meets the requirements for compliance with CSA SPE-1000