Powerful
Versatile
Profitable
High Speed
UV flatbed
and roll printer

Inca SpyderX

Designed and manufactured by Inca Digital and integrated with Fujifilm Dimatix printheads and Uvijet ink, the robust 126" (3.2 m) wide, 6 color plus optional white SpyderX is available as either a flatbed, or a combination flatbed & roll to roll (R2R) model for handling rigid and flexible substrates. This powerful and versatile printer is capable of producing a wide variety of products. SpyderX delivers high speed (2,476 ft²/hr or 230 m²/hr) production with sharp, pinpoint accuracy.

The 3.2 m wide roll-to-roll module turns the flatbed machine into one of the industry's most versatile production-class printers, allowing it to produce high-quality UV print on both sheeted and roll-fed substrates. With a robust motion control system, and changeover time as short as walking around the machine, the addition of the R2R system converts the SpyderX flatbed machine into a truly versatile hybrid printer.

Inca SpyderX Features:

- High quality flatbed output up to 30 beds an hour
- High speed roll to roll output up to 2,476 square feet an hour
- iNozzle nozzle mapping technology
- Print-a-Shim for consistent quality across the bed

- Light Cyan and Light Magenta as standard to smooth tones and gradients
- Maintenance Scheduler and automated printhead cleaning
- Remote diagnostics software with IncaVision

INTELLIGENT FEATURES

Consistent quality and productivity on the SpyderX is achieved by the intelligent features on the printer. The automated cleaning station and on-board maintenance scheduler help to maintain the printheads without manual operator intervention, avoiding compromising on throughput and quality. A mist extraction system further reduces nozzle clogging while the on-board nozzle mapping technology allows the machine to manage deviated or missing nozzles without slowing down production or a loss in quality.

USER INTERFACE

For SpyderX, Inca has developed a GUI to provide a powerful yet simple-to-use printer and job management tool. It is easy to finalize and initiate jobs, save settings, nest images, create print queues and 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, quality mode, gloss level, etc. - already specified.

ROBUST CONFIGURATION

The SpyderX CMYK LcLm + WW configured press offers an affordable solution for fast and accurate printing for a wide range of point of sale and graphic display applications. Six ink channels are populated with CMYK, Light Cyan and Light Magenta inks. By adding light inks to the configuration, it provides smoother tones and gradations. Two channels of white expand the range of output to allow printing on clear and dark substrates.

UVIJET INK

The Fujifilm Uvijet family of inks offers excellent adhesion and flexibility. Uvijet inks have been developed for a wide range of media. Ideal for both indoor and outdoor applications including banners, POP, backlit images, exhibition graphics, signage, printing onto glass, metal, acrylic and board for example. These inks have been specifically formulated to maximize production output and provide a wide color gamut coupled with bright colors.

OPTIONAL ROLL SYSTEM

The 3.2 m wide roll-to-roll module turns the flatbed SpyderX into one of the industry's most versatile production-class printers, expanding application possibilities and allowing it to produce high-quality UV print on roll-fed substrates.

Featuring a changeover time that's as short as walking around SpyderX, the roll system quickly allows for application expansion and maximum versatility in a printer.

SPECIFICATIONS:

Configuration Options
▸ CMYKLcLm
▸ CMYKLcLmWW

Print Area
▸ Flatbed: 126" x 79.9" (3.2 m x 2.03 m)
▸ Roll: 126" x 197" (3.2 m x 10 m)
▸ Edge to edge printing

Substrate Thickness
▸ Flatbed: Maximum 2" (50 mm)
▸ Roll: Maximum 0.5 mm, Minimum 0.1 mm

Maximum Substrate Weight
▸ Flatbed: 165 lbs (75 kg) EDL
▸ Roll: 331 lbs (150 kg) including core

Maximum Shaft Diameter for R2R
▸ 3" (76.2 mm)

Maximum Roll Diameter for R2R
▸ 9.8" (250 mm)

RIP
▸ Caldera Grand RIP+
▸ ColorGATE Production Server (Fujifilm edition)

Fujifilm Uvijet UV Inks
▸ Uvijet XS Ink Range

Space Required
▸ 323" (8.2 m) x 300" (7.6 m)
▸ Height (doors lowered): 67" (1.70 m),
  Height (doors raised): 92" (2.34 m)

Power
▸ Rated voltage 380-480V ac @ 30A 50/60Hz;
  3-phase and Protective Earth/Ground
▸ 180-250V ac @ 30A 50/60Hz; single phase and Protective Earth/Ground

Factory Air Requirement
▸ Minimum 7 bar (102 psi) @ 0.35 m³/min (normal),
  ISO8573.1:2001(E) Class 1.4.1

Network
▸ 1000 Base-T

Product specifications are subject to change without notice.

Flatbed Speeds			
Print Mode Name	ft²/hr	m²/hr	Beds/hr
Billboard	1,981 ft²/hr	184 m²/hr	30
Production	1,615 ft²/hr	150 m²/hr	26
Production Smooth	1,130 ft²/hr	105 m²/hr	19
Quality	732 ft²/hr	68 m²/hr	12
Quality Smooth	592 ft²/hr	55 m²/hr	10
High Definition	301 ft²/hr	28 m²/hr	5

Roll Speeds		
Print Mode Name	ft²/hr	m²/hr
Billboard	2,476 ft²/hr	230 m²/hr
Production	1,991 ft²/hr	185 m²/hr
Production Smooth	1,345 ft²/hr	125 m²/hr
Quality	861 ft²/hr	80 m²/hr
Quality Smooth	678 ft²/hr	63 m²/hr
High Definition	344 ft²/hr	32 m²/hr

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SpyderXDataSheet_180312