

Spyder 320

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Developing the future of inkjet


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Spyder 320 The versatile flatbed

The Inca Spyder 320 created a quality step change in digital print with its launch in 2005 and has become Inca's best selling digital printer. Spyder 320 delivers quality, mid-range speed output on rigid and flexible materials, making it a workhorse for screen and digital printers looking for versatility and productivity. With a variety of specification options it meets the needs of most POP printers.



Precision motion and controls systems, enable the Spyder 320 to deliver the quality and consistency for which Inca equipment has become renowned. The Spyder 320 is a dedicated flatbed printer capable of handling a wide range of rigid and flexible media. Using the quality design and leading edge technology for which Inca has developed its reputation, the Spyder 320 series offers users a flexible machine which works as a stand alone unit or as a complement to analogue technologies.

Productivity



Offering an open architecture with good access to the vacuum bed, your production team will be able to maximise productivity as well as the range of substrates you can offer to meet your customers' needs. With the ability to re-register sheets and produce accurate double-sided print, Spyder 320 can be combined with other print processes to achieve special effects.

Colour Range



With the choice of orange, violet, light cyan, light magenta or white to complement the CMYK set, the Spyder 320 range offers a wide colour gamut, plus the ability to achieve accuracy on key spot colours. The Spyder 320 uses either 28 ng or 10 ng printheads to create a print quality which is suitable for large format graphics and retail POP applications.

Economics



Simple job set up, image change on the fly and speed makes Spyder 320 a viable option from one print up to 100 full bed sheets. Generating up to 48-off 60"x40" prints an hour, Spyder 320 is a digital press that delivers a good ROI and is well-suited to the POP printing market.



Outstanding Print Quality



With the choice of either 28 ng or 10 ng heads, the Spyder 320 delivers print quality that satisfies a wide range of work, from internal graphics, exhibition displays, retail promotions and dump bins through to large format external signage.

Environmental Credentials



Components are responsibly sourced and the printers incorporate controls to change to standby power without impacting on productivity. UV ink technology provides VOC-free printing and reduces the wastage associated with the set-up and clean-down of traditional printing technologies.

Printing Modes



Spyder 320 offers a variety of print modes capable of matching a demanding range of applications. With the ability to offer white as well as extended colours, the white can be applied before, during and after the print, creating a wide range of finish options and deliver back-lit or clear graphics with punch.

Print Finish



Spyder 320 delivers the satin print finish which is preferred by retailers. Combined with the colour options, the Spyder 320 provides the ability to colour match to both substrate and customer needs, providing good colour accuracy. The two UV lamps provide flexibility and control to deliver the correct adhesion and cure levels on a wide variety of materials.

Reliability



Designed to give you consistent production output your team will be given the skills to run and maintain your Spyder 320 to provide reliable performance. On-board software, such as nozzle mapping, assists with increased uptime, print quality control and remote support from the Inca team is also an option.

Response Times



Inca recognise that customers' response requirements vary and this is reflected in the support contracts offered against this press. After the first year's warranty, Inca's Service Contracts offer a variety of response levels to keep you running and delivering your customers' jobs.



Material Selection



Spyder 320 is designed to accommodate a range of materials for the wide format and POP market.* This includes the more usual papers and plastics, but with the ability to handle substrates up to 50mm thick, can also embrace more unusual substrates such as extruded plastics, wood, glass and thicker POP materials.

Control Console/User Interface



A free-standing operator console provides all the essential data required to run, monitor and maintain the machine. Simple print queues with thumbnails provide job information whilst maintenance screens offer up-to-date information on the system's condition and faults.

* Substrates should be tested for suitability before use, since they vary from different suppliers and factories and can display a wide variety of properties

Machine Features



- UV curing inks
- Vacuum table for simple substrate loading
- Precision motion control system
- Up to 80 m²/hr throughput
- Double-ended register pins for accurate placement
- Separate console (not shown)



Customer Support



The Inca support team provides technical assistance by phone, on-line and at your facility. Whether delivering engineering support, applications assistance or general advice, the Inca Support team will help you to resolve problems efficiently and maximise the uptime on your equipment.



Spyder³²⁰ Technical specification

Product Description

■ Flatbed inkjet printing press

- Maximum substrate size 3.2 m x 1.6 m (126 in x 63 in)
- Maximum substrate thickness 50 mm (2 in)
- Maximum substrate weight 80 kg evenly spread
- Print area 3.2 m x 1.6 m (126 in x 63 in)

■ Operator console including screen, keyboard and mouse

■ UV curing twin lamps

■ Uni-directional and bi-directional print

Including:

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

Physical Machine Dimensions	
Width	3.23 m (127 in)
Length	4.9 m (193 in) 6 and 8 colour machines 4.75 m (190 in) 4 colour machine only
Height	1.44 m (57 in)
Footprint	6 m x 7 m (236 in x 276 in)
Weight	2500 kgs (5500 lbs)
User Interface	
Console	Free-standing control console with screen, mouse & keyboard
Print PC	Inca SpyderRun software
Media	
Max Print Size	3.2 m x 1.6 m (126 in x 63 in)
Max Substrate Thickness	50mm (2 in)
Cleaning/Treatment	Substrate should be free of dust. Solutions are available from Fujifilm Sericol for pre-treatment and to promote adhesion
Load/Unload	Manual
Types	A wide range of rigid and flexible materials including plastics, paper, lenticular, glass and metals
Printing Technology	
Heads	4 colour = 16 printheads (4 modules) OR 6 colour = 24 printheads (6 modules) 8 colour = 32 printheads (8 modules)
Drop Size	10 or 25 ng CMYK, Lc, Lm, O, V 30 ng white
Resolution	600-1000 dpi
Inks and Curing	
Inks	Fujifilm Sericol UV cure inks
Curing	Twin mercury arc UV lamp. Tack-free immediately after printing for stacking output
Ink Tanks	Top loading approx. 4 litre stainless steel tanks
Durability	Outdoor 2 years

Printing	
Maximum Substrate Weight	80 kgs (176 lbs)
Throughputs and Modes	3 pass bi-di 80 m ² /hr Satin Finish 16 Beds/hr 5 pass uni-di 40 m ² /hr Satin Finish 8 Beds/hr 5 pass bi-di 65 m ² /hr Satin Finish 13 Beds/hr
RIP	
RIP Hardware	Specification available
RIP Software	Wasatch or ColorGATE RIP software available
Requirements	
Power	220-240V single phase 50 / 60 Hz, rated to 20 amps
Air	Compressed air 100 psi (7 bar) at 1.76 SCFM (0.05 m ³ /min), ISO8573.1:Class 1.4.1
Network	Minimum 100 Base T
Environment	
Temperature	20-30 °C / 68-86° Ambient
Humidity	20-80% RH non-condensing humidity
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