

IncaColumbia220



We're extending the qualities of our Columbia printer

The Inca Columbia 220 - Quality AND Quantity

With superior print quality, the Inca Columbia 220 flatbed printer can also print at extremely high speeds, more than 120m²/hour. This impressive combination of high resolution print quality and record achieving speed sets new standards in the wide format graphics market place.

The Inca Columbia 220 delivers the same resolution as our current Eagle and Columbia printers, offering speed, versatility and reliability.

- **High speed printing** - Variable print modes up to 123m²/hr
- **Superb image quality** - Print resolution sets new standards for outdoor graphics.
- **Massive 3.2m x 2.2m printing area** - extreme register accuracy ensures that images can be printed to bleed, eliminating trimming in many cases
- **No pre-press** - a powerful Wasatch 5.0 RIP accepts all common files and processes them at high speed ready for printing
- **Minimal set up time** - simple machine operation and accurate job positioning enable immediate printing
- **Customised printing** - run lengths as low as one provide four colour variable data
- **Low print waste** - sophisticated, high precision engineering reduces waste to a minimum with no 'Just In Case' printing
- **Direct to substrate** - Prints onto standard substrates without special coatings to a thickness of 40mm
- **On press proofing** - the perfect solution for customer acceptance
- **UV curing 'on the fly'** - instant drying of Uvijet inks means that press speed and print drying are not compromised
- **No overcoat required** - laminating and over varnishing are unnecessary with Sericol Uvijet ink
- **Minimal post print processing** - no mounting to rigid sheets, no cutting from the roll enabling customer delivery direct from the press

SERICOL
More than ink...Solutions.

IncaColumbia220 Specifications*

Press

Print technology	Piezo drop-on-demand inkjet
Print speeds	Up to 123m ² /hr (1325ft ² /hr)
Format	3.2 metres x 2.2metres (126 inches) x (86 inches)

Media

Maximum print size	3.2m x 2.2m (126 inches x 86 inches)
Maximum substrate thickness	Rigid substrates up to 40mm thick (1.5 inches)
Maximum weight per sheet	40 kilograms (88 pounds)
Resolution	Up to 1000 dpi

Operator Console

EagleRun V2.2 software for choosing print jobs and positioning
Touch-screen for machine control and functions
2 x Pentium Xeon 3.06GHz or greater with two 36GB hard disks

RIP

Wasatch SoftRIP Version 5.0

Formats

All popular desktop formats, including PostScript 3, EPS, TIFF, PDF, using both RGB and CMYK

Sericol Uvijet Inks

Four colour process in 5-litre containers
UV curing, pigmented inks
Durable outdoor 2 years

Physical Dimensions (approx)

Width	3.8 meters (12.35 feet)
Length	9.45 meters (30.7 feet)
Height	1.77 meters (4.33 feet)
Weight	Approximately 4000 kg (8800 lbs)
Space requirements	15m x 8.1m (45 feet x 26 feet) allowing for access Floor flatness and load bearing capability will be assessed
External chiller	Height 853mm (33.5 inches) Length 775mm (30.5 inches) Width 570mm (22.4 inches)

Requirements

Temperature and humidity	Operating range 20°C to 30°C
Voltage supply	Constant power supply 380 - 400V 3-Phase neutral & earth, power rated to 32 amps per phase. 230V 13 amps for RIP
Air requirements	Factory Air – (min) 90 psi and 0.1 m ³ /min (to ISO8573.1: Class 1.4.1)
Network requirements	Network 100BaseT

* Data subject to change without notice.

Uvijet

... leading edge
liquid technology

With more than 25 years experience in UV ink chemistry, Sericol Imaging offers a range of ink systems that are a generation ahead.

Uvijet inks dry instantly when activated by UV radiation so they remain stable in the printhead, ensuring faithful reproduction, whilst drying fast enough to keep up with the speed of the Inca Columbia 220 press.

Micro-V pigment dispersions

Uvijet ink uses unique Micro-V dispersion technology to provide vibrant, durable, ultra-wide gamut colours based on automotive grade pigments with the highest lightfastness rating to ensure your prints last and last.

Uvijet is designed to print onto almost everything the wide format graphic printer demands, from paper and board to a wide range of plastics.



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