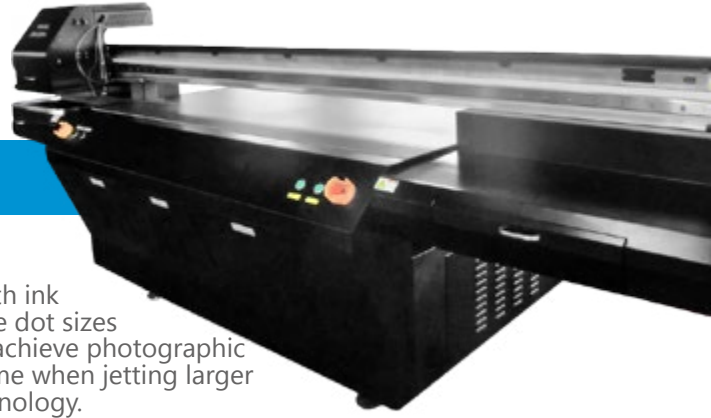


UV-LED PRINTERS

ALBATROSS SERIES

IQ Albatross embodies the balance of attractive price and number of print functions. IQ Albatross-series, based on modern print heads is easy-for-maintenance, outstanding by excellent quality, and suitable for printing on large media.

Working on Albatross you appreciate the advantages of control electronics by IQDEMY's partner, DPS Innovations, ease of use of Caldera RIP software, as well as quality of the assembly and utility of the additional functions.



TECHNOLOGY

● Variable Dot

The Variable Dot Technology enables to print simultaneously with ink droplets that vary in size from 7 to 35 picoliters. The use of variable dot sizes within the same print optimizes the printing process and helps to achieve photographic quality of printing when using smaller droplet size or save ink and time when jetting larger droplets. The variable dot technology results in "Invisible dot" technology.

● Invisible Dot

Invisible dot Technology is the latest development of DPS Innovations electronics for Ricoh Gen4 and Ricoh Gen5 printheads. Due to the high positioning accuracy of the carriage over the material and synchronized mechanism of droplet ejection, you can print at resolutions up to 4200 dpi at high speeds while maintaining excellent image quality. So the dot size seems to be smaller than it is.

● Reverse vacuum

For high-precise printing, not just a carriage positioning is of great importance, but material fastening on the printing table too. We use reverse vacuum technology for this task. From 4 to 6 vacuum table zones simplify the process of laying and positioning of the media on the print field, avoid scratches and help by material position alignment.

● White color printing

To save your time and provide ease of use, Albatross allows you to print both white and colored inks simultaneously. In addition, we added white ink circulation system to ensure trouble-free printing and high quality of color reproduction.

CONSTRUCTION AND COMPONENTS

● Konica Minolta printheads - proved and reliable

Konica Minolta printheads provide high quality in combination with high reliability. The highest work features of these printheads were proved by years of cooperation. IQ Albatross is completed with Konica Minolta printheads with 1024 nozzles.

● Automatic check of media thickness

A built-in media thickness sensor helps to simplify and accelerate the pre-printing process. Carriage comes at a given position on the material and descends to its surface until the sensor checks it, the thickness is recorded by software and the printer is ready to print at this altitude.

● Profitable solution

Albatross is a low-end model of IQDEMY flatbed large format printing machines, but it is almost as functional as high-end SWISS model. IQ Albatross is equipped with 2 LED units provided by DPS Innovations. The LED cure technology, patented by IQDEMY, permits to operate LEDs up to 20 000 h without replacement. Furthermore, UV LEDs in contrast to usual UV lamps do not evolve destructive to health ozone.

● Teflon coating

High-quality coating prevents printer enclosure from attacks by chemicals, solvent, inks and mechanical damage. It is easier to keep the printer clean because such kind of coating permits to wipe inks and other dirtying off the surface effortlessly.

ELECTRONICS

All IQDEMY equipment is completed by electronics of **DPS-Innovations**, the innovative company providing the maximum performance and the flexibility of the printing process customization as well as efficient operation for all systems of modern inkjet printing equipment.

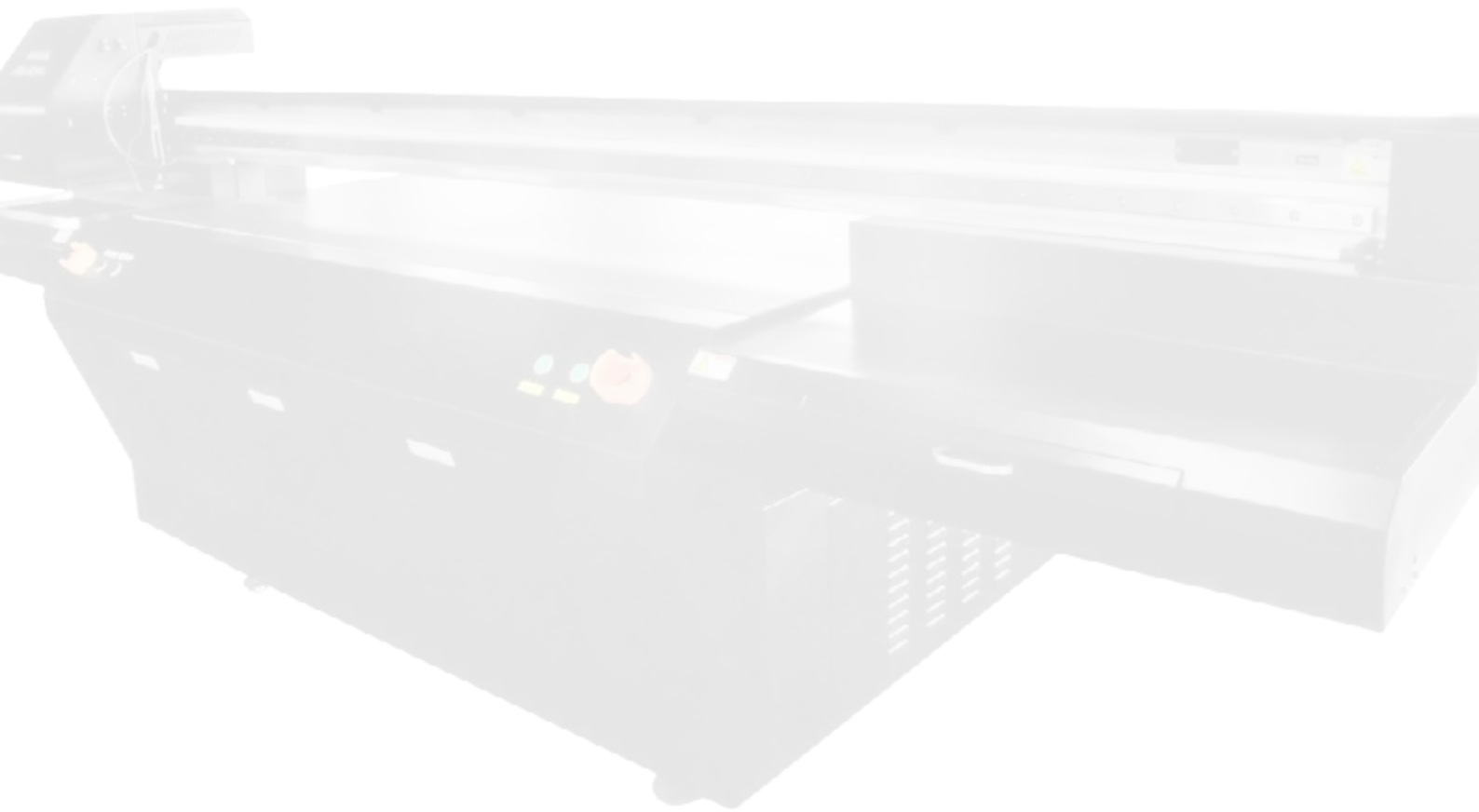


SPECIFICATIONS

ALBATROSS SERIES

IQ Albatross 2030

Image		
Design	Flatbed	
Printheads	Konica Minolta 1024 MH	
Printheads number	7 (up to 16) pcs	
Color formula	CMYK+LcLm+W (V optional)	
Resolution	14 / 42 picoliters, up to 1440 dpi	
Print mode and speed		
Express	55 sq.m/h	
Production	32 sq.m/h	
Quality	15 sq.m/h	
Ink system and printing technologies		
Basic info	8 tanks for supplying ink and residue level sensors	
Ink thermal stabilization	yes	
White ink circulation	yes	
Ink	IQDEMY UV ink	
Variable dot	yes	
Printable and media parameters		
Printable size	2,0 m x 3,0m	
Reverse vacuum	Yes, 5 zones	
Media weight	Up to 180 kg	
Maximum media thickness	Up to 90 mm	
Possible media	All rigid media (plastic, glass, wood, plexiglass, enamel, etc.)	
LED units		
2 pcs of UV-LED units produced by DPS Innovations		
Unit size	008, large	
Wave length	386 / 395 nm	
Operating requirements		
Power	Printer	1 phase, 220V±10%
	Vacuum system	1 phase, 220V±10%
Power consumption	5,5 kW	
RH	45-65%	
Temperature oC	22-27°C	
Air	Ventilation, 4 volumes/hour, pressure not lower than 120 Millibars	
Operating area	At least 1 meter around the printer from each side	
Size and weight		
Weight netto, kg	2500	
Dimensions, mm	4110*3930*1500	
Workstation requirements		
Recommended software	Caldera Grand RIP	
Interface	Jet Control Centre	
Computer	Processor ≥Intel Core i3, running memory ≥4Gb, hard disk free volume 30Gb minimum	
Body paint:	Teflon, black	



IQDEMY Switzerland, 2016