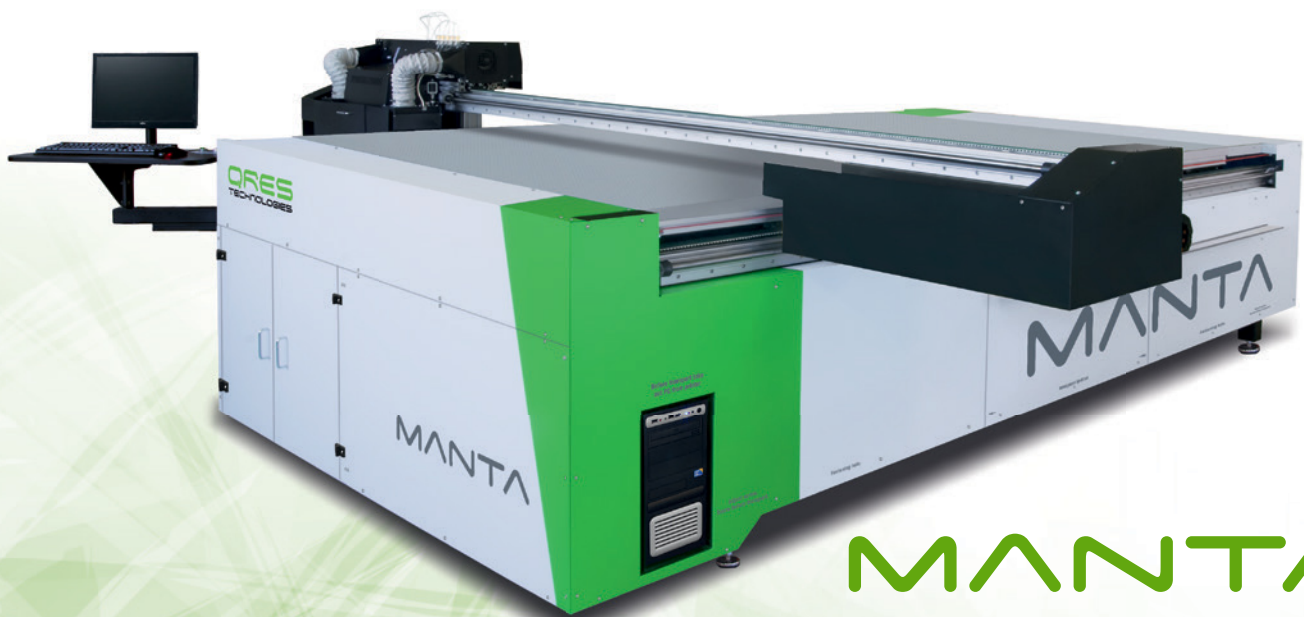




## | Manta Upgrade Extra

Flexible and affordable UV printer  
A solution tailored to your individual needs



MANTA

## | Manta Upgrade Extra



The effort to meet the specific needs of the customers resulted in the Manta Upgrade Extra printer. It combines high reliability and flexibility of Manta platform with exceptional features of Upgrades by Qres Technologies.

### | Print Heads

Manta Upgrade Extra is cost-effective flatbed system that uses new generation of Konica Minolta 1024 print heads enabling to print with droplet size of 12 pl, double number of print nozzles and double print width.

### | Twin Mode

The printing table is equipped with Twin Mode, an innovative system to cut out preparation in the course of printing. In Twin Mode, there are two virtual working desks, so it is possible to set up the starting point for two printing operations independently. You can work on both parts of the printing table at the same time – to print on one part and to prepare media on the other part.

### | Flatbed System

The table size of 2 x 3 m allows to print directly on rigid, flexible, heavy or odd-shaped media, as well as materials with a structural surface, such as wood, glass or ceramic tiles.

The maximum media thickness of 50 mm boosts the flexibility of the printer.

### | Software

Easy operation and maintenance of the printer is supported by a brand new Qpro print software. It is complemented by Qrip software.

CALDERA GrandRip V9 RIP software or ColorGATE Productionserver 8 are offered as optional.

## | Technical Specifications

### | Technology

Print technology	Piezo drop-on-demand ink-jet system
Print heads	Konica Minolta 1024
Nozzles per head	1024
Print resolution	Addressable resolution 180 dpi - 1080 dpi Visual resolution up to 3240 dpi

### | Color / Ink

Color system	CMYK + 2 additional ink options (White, Varnish)
Ink	Qres UV curable inks
Ink reservoir	5 liter ink container
Curing system	Air-cooled UV lamps

### | Media

Media types	Rigid and flexible media
Maximum media thickness	50 mm (2 in)
Maximum media weight	100 kg (220 lb)
Print area	2,00 m x 3,00 m (79 in x 118 in)

### | User Interface

Operation system	Windows 7 or Windows 8
Software	Qpro print software, Qrip software, CALDERA GrandRip V9 RIP software (optional) ColorGATE Productionserver 8 (optional)
Image formats	PDF, TIFF, JPEG, EPS

### | Physical Specifications

External dimensions	3800 mm x 1500 mm x 4400 mm ( 150 x 59 x 173 in)
Weight	1250 kg (2756 lb)
Electrical requirements	400 V   50 Hz   10 A   2,3 kW
Environmental specifications	Temperature 18 - 26°C, relative humidity 30 - 70%, dust-free area

## | Printing speeds

Printmode   Configuration	2xCMYK	2xCMYK+W	1xCMYK	1xCMYK+W
High Definition mode	24 m <sup>2</sup> /h	12 m <sup>2</sup> /h	12 m <sup>2</sup> /h	6 m <sup>2</sup> /h
Quality mode	38 m <sup>2</sup> /h	19 m <sup>2</sup> /h	19 m <sup>2</sup> /h	9,5 m <sup>2</sup> /h
Production mode	56 m <sup>2</sup> /h	28 m <sup>2</sup> /h	28 m <sup>2</sup> /h	14 m <sup>2</sup> /h
Draft mode	112 m <sup>2</sup> /h	56 m <sup>2</sup> /h	56 m <sup>2</sup> /h	28 m <sup>2</sup> /h

Product specifications are subject to change without notice.

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