



Innovative solution by Qres Technologies  
Developed to suit your printing needs  
Exceptional UV printer with impressive range of options



**F160**

## | F160



Looking for high-performance with an entry level printer? Interested in adding more print heads or special features?

Qres Technologies presents the result of its exceptional engineering approach - the F160 printer.

The F160 offers you a unique opportunity to customize the configuration of your printer exactly the way you want it. All offered options can be factory ordered or added later.

### | Print heads and configuration

The F160 is equipped with a new generation of Konica Minolta 1024 inkjet print heads. Unparalleled sharpness and print fidelity is achieved using a unique wave form. Print resolution up to 1080 dpi eliminates inkjet grain producing smooth quarter tones and photographic quality.

The F160 starts with 4 print heads in the standard CMYK configuration, or doubled up for double the productivity. Up to four more optional print heads can be added for white, varnish or spot colours.

### | Flatbed printer with special options

The solid flatbed construction of the F160 with table size of 1,65 m x 2,55 m allows you to print on any flexible or rigid substrate up to a maximum thickness of 50 mm.

However what makes the F160 unique is the Bridge Lift option. The scan bridge can be raised to 250 mm, so you get a total adjustment range of 300 mm. It opens up new possibilities to print on a wider range of media and objects of different sizes.

The vacuum system of the F160 comprises 4 independently controlled vacuum zones. The external vacuum connection means you can choose a vacuum pump that suits your needs and locate it where you want it.

### | Options

Double speed
White and Varnish
Bridge Lift
External vacuum
PC Tower

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### | 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, spot colours)
Ink	Qres UV curable inks
Ink reservoir	1 liter or 3 liter ink container
Curing system	Air-cooled UV lamps

#### | Media

Media types	Any flexible or rigid material including paper, vinyl, plastic, glass, wood, metal, laminate, ceramics, rubber
Maximum media thickness	50 mm (2 in) + 250 mm (9,8 in) Bridge Lift option
Maximum media weight	100 kg (220 lb)
Print area	1,65 m x 2,55 m (65 in x 100,4 in)

#### | User Interface

Operation system	Windows 7 or Windows 8
Software	Qpro print software, Qrip software, CALDERA GrandRip V10 RIP software (optional) ColorGATE Productionserver 9 (optional)
Image formats	PDF, TIFF, JPEG, EPS

#### | Physical Specifications

External dimensions	3450 mm x 3800 mm x 1300 mm (136 x 150 x 51 in)
Weight	1000 kg (2205 lb)
Electrical requirements	400 V   50 Hz   19Amps   max 7,6 kW
Environmental specifications	Temperature 18 - 26°C, relative humidity 30 - 70%, dust-free area

#### | Special features

Adjustable curing, Lamp shutters, Anti-static control
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### | Printing speeds

Printmode   Configuration	2xCMYK	2xCMYK+W	1xCMYK	1xCMYK+W
High Definition mode	20 m <sup>2</sup> /h	10 m <sup>2</sup> /h	10 m <sup>2</sup> /h	5 m <sup>2</sup> /h
Quality mode	33,4 m <sup>2</sup> /h	16,7 m <sup>2</sup> /h	16,7 m <sup>2</sup> /h	8,4 m <sup>2</sup> /h
Production mode	50 m <sup>2</sup> /h	25 m <sup>2</sup> /h	25 m <sup>2</sup> /h	12,5 m <sup>2</sup> /h
Draft mode	100 m <sup>2</sup> /h	50 m <sup>2</sup> /h	50 m <sup>2</sup> /h	15 m <sup>2</sup> /h

Product specifications are subject to change without notice.

