



42" Compact CAD & Graphics Printer

The CAD & GIS graphic printer is an attractively priced 42" (1080 mm) wide inkjet printer for water-based inks. The printer is fit for both startup and established businesses wanting a professional device for a wide variety of graphics and CAD applications.

You don't need to be an expert to run the printer, as it is very easy to operate and maintain. The printer delivers consistent quality for volume production runs as well as short print runs. Continuous printing is made possible by the integrated motorised torque-controlled take-up system.

The printer model features a variable drop print head with 8 rows of 180 nozzles.

Product Highlights

- 42" (1080 mm) attractively priced printer
- 1440 nozzle variable drop piezo inkjet head (CMYK)
- Worry-free water based inks
- Intelligent Interweaving printing technique inside
- Space saver design - safe & easy to use

Application Possibilities

Typical CAD applications encompass industrial design, space engineering, car building, production of spare parts, architectural design, GIS applications, etc ... Using dye and pigmented water-based inks, the printer is also suited for the production of high quality graphics for indoor and short term outdoor use, e.g. posters, large-format reproductions of portrait photographs, fine art reproductions, proofs of packaging designs, hard proofs of press print work etc.



> Indoor

IPE-3020



42" Compact CAD & Graphics Printer

| SPECIFICATIONS

Technical Key Specifications

Print Technology	Drop-on-demand Micro Piezo Inkjet Technology
Print Head	1
Nozzle Configuration	180 nozzles x 8 lines
Drop Mass Range (pl)	3.6 to 49.5
Head Heights (mm)	Low : 1.2 / High : 2.0

Media Specifications

Max. Media Width	1080 mm (42.51")
Max. Print Width	1074 mm (42.28")
Max. Media Thickness	0.3 mm / 1.3 mm *

\* : Max. media thickness is specified per head height  
 Media Measurements \* Ø 150 mm / 2" / 19 kg (3" adaptors optional)  
 \* : Standard non-motorised roll-off system / standard motorised take-up system

Ink Specifications

Ink Type	Water-based Dye and Pigmented
Ink Volume & Colours	110 ml Pigment Black for CAD 110 ml Dye CMY for CAD 220 ml Dye & Pigment for graphics
Ink Consumption	9 ml / m <sup>2</sup> - < 2 ml / m <sup>2</sup> **

\* : Average ink consumption graphics at @ 720 dpi - coverage of 67 %  
 \*\* : Typical vector drawing A0 size

UV durability outdoor	Dye : 1 month Pigmented : up to 6 months
-----------------------	---

Performance - CAD

High Speed 360, for CAD and Line Art	360 x 360 dpi - 1 pass Bi-Dir	39.6 m <sup>2</sup> /h
Standard 720, for High-End CAD	720 x 720 dpi - 4 pass Bi-Dir	7.8 m <sup>2</sup> /h
3D Rendering	1440 x 1440 dpi - 4 pass Bi-Dir	3.9 m <sup>2</sup> /h

Power Consumption

During Printing / Cleaning	100 W
In Stand-by	35 W
Power Supply	AC 100-120 V / AC 200-240 - 60/50 Hz

Recommended Working Environment

Temperature	20 °C - 28 °C with Δt: max 2 °C/h
Humidity	40 % - 60 % (no condensation) with ΔRH: max. 5 % RH/h

Machine Measurements

Width x Depth x Height	1772 x 504 x 983 mm
Weight	75.2 kg

Performance - Graphics (Standard weaving ON)

High Quality (1440 x 1440)	2.0 m <sup>2</sup> /h
Quality (540 x 720)	3.5 m <sup>2</sup> /h
Quality Production (540 x 720)	9.3 m <sup>2</sup> /h
Production (360 x 720)	13.0 m <sup>2</sup> /h
Speed production (360 x 360)	18.5 m <sup>2</sup> /h