

DrafStation™



DrafStation RJ-900X

42" Compact CAD & Graphics Printer

The DrafStation RJ-900X 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 DrafStation RJ-900X printer, as it is very easy to operate and maintain. The RJ-900X 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.

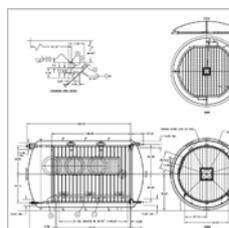
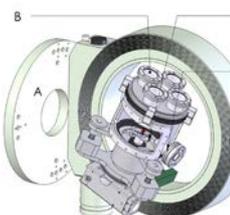
The RJ-900X model features a variable drop print head with 8 rows of 180 nozzles.

Product Highlights

- 42" (1080 mm) attractively priced printer
- 1440 nozzle variable drop piezo inkjet head (CMYK)
- Worry-free water based inks
- Mutoh 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 water-based inks, the RJ-900X 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.



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| 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)
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* : 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 for graphics
Ink Consumption	9 ml / m ² * - < 2 ml / m ² **

* : Average ink consumption graphics at @ 720 dpi - coverage of 67 %

** : Typical vector drawing A0 size

Performance - CAD

High Speed 360, for CAD and Line Art	360 x 360 dpi - 1 pass Bi-Dir	39.6 m ² /h
Standard 720, for High-End CAD	720 x 720 dpi - 4 pass Bi-Dir	7.8 m ² /h
3D Rendering	1440 x 1440 dpi - 4 pass Bi-Dir	3.9 m ² /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 ² /h
Quality (540 x 720)	3.5 m ² /h
Quality Production (540 x 720)	9.3 m ² /h
Production (360 x 720)	13.0 m ² /h
Speed Production (360 x 360)	18.5 m ² /h

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MUTOH

Disperse Dye Sublimation Inks



High Speed Water Based Disperse Dye Inks for Transfer Paper Printing

Mutoh disperse dye inks (RJ80DS1-100-series) have been developed for printing on transfer paper & transfer to polyester fabrics & mixed fibre fabrics (minimum 80 % polyester) or to coated polyester objects. The inks can also be used for direct printing onto polyester fabrics.

After printing with this ink type onto transfer paper or polyester fabrics, a sublimation follow-up treatment (transfer) is required, through high pressure and temperature (calender), to fix the colours.

When printing directly onto polyester fabrics with this ink type and after sublimation, the fabric needs to be washed before use, to remove the brownish dispersant and to fully release the vibrant colours typical for sublimation inks.

Mutoh's High Speed Water-Based Disperse Dye inks come in 4 colours (CMYK) and are available in 1 liter bottles. They are 100 % VOC free and do not contain any hazardous components.



MUTOH

Disperse Dye Sublimation Inks



The Mutoh Disperse Dye Inks have been specifically formulated for Mutoh's roll-to-roll dye sublimation printer range. These inks will offer bright and vibrant colours. Prints are durable & washable and moreover odourless. Available in 1 liter bottles, Mutoh Dye Sublimation inks are suited for a wide variety of applications, such as high-quality in-store textile decoration and displays, textile banners, pop-ups, sportswear, gadgets and many more.

Durability

Mutoh's Water Based Disperse Dye inks have been thoroughly tested for their durability.

ISO STANDARD:		EN ISO 105B02	EN ISO 105C02	EN ISO 105E04
Colour	Part N°	Light Fastness	Wash Fastness	Perspiration Fastness
Yellow	RJ80DS1-100-YE	6 - 7	4 - 5	4 - 5
Magenta	RJ80DS1-100-MA	6 - 7	4 - 5	5
Cyan	RJ80DS1-100-CY	5 - 6	4 - 5	4 - 5
Black	RJ80DS1-100-BK	6	4 - 5	4 - 5

- **Light fastness** : Evaluate the resistance of an output on polyester fabric towards the effect of sunlight. (rating 1-8, 8 = best)
- **Colour fastness towards washing**: Evaluate the colour fastness of an output on polyester fabric towards the effect of washing. (rating 1-5, 5 = best)
- **Colour fastness towards perspiration**: Evaluate the colour fastness of an output on polyester fabric towards the effect of perspiration. (rating 1-5, 5 = best)

Please note that textile products must have an authenticity or colour-authenticity, if they want to achieve their purpose. This authenticity cannot only be attributed to the ink, but applies for a certain colour/ink fixative in a certain textile. The kind of combination and the strength of the combination between the colour/ink and textile will guarantee the authenticity.

UV Resistance

3 – 6 months outdoor

Environmentally Responsible

Mutoh disperse dye inks are free from VOCs and hazardous components. There is no need for forced ventilation. These inks meet the latest REACH regulations.

Compatibility

- ValueJet 1624W
- ValueJet 1638W
- ValueJet 2638
- ValueJet 1628TD
- ValueJet 2628TD
- ValueJet 1304W
- ValueJet 1604W
- Viper 65/90
- Viper 65/90 Extreme
- Viper 100
- Viper TX 100

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