

THINK BIG ! PRINT GREAT !

Phoenix S - SUPER Wide-Format 3.3 meter Solvent Printer



- > Incorporates Spectra® Proven True Solvent Inkjet Technology
- > Maximum Media & Print Width up to 3.3 Meter
- > Solvent-based Double Density Inks : 3 - 5 years UV stability
- > Superior Output Quality
- > Outputs Suitable for Heavy-duty Outdoor Applications
- > High-end Industrial Concept
- > Extreme Ease of Use

Target Customers :

- Existing wide-format users looking for output exceeding 2.5 meters width
- Existing super wide-format users looking for top quality output and a more economical solution

Mutoh's Phoenix S super wide-format solvent inkjet printer has been developed for the production of super wide outdoor signage. Utilizing solvent-based double density inks (bulk ink supply – 2 litre bottles), the Phoenix S produces top quality outdoor durable graphics on a wide range of inexpensive uncoated materials, such as scrim vinyl, PVC film, banner, backlit, mesh, etc... Phoenix S prints are water, highly abrasion and UV-resistant for up to five years outdoors, without lamination.



Offering a maximum media width of up to 3.3 meter, Phoenix S incorporates six latest generation 256 nozzle piezo-electric Spectra® print heads, specifically developed for hard solvent inkjet applications.

Phoenix S combines a high-end industrial concept (industrial-strength piezo drop-on-demand inkjet technology, unique threading bar system allowing single user media loading, incorporated heating elements, motorised unwinder / winder system, front and back active media tension bar system, ...) with extreme ease of use (single user operation, optimum runability, bulk ink supply, minimal daily maintenance, capable of edge to edge printing, ...).

Media

Maximum Media Width	3300 mm (130")
Maximum Print Width	3300 mm (130")
Media Thickness	0.08 mm – 10 mm
Adjustable head gap	2.5 up to 4.5 mm, in 0.5 mm steps (*)
Maximum Roll Weight	200 kg
Maximum Roll Diameter	500 mm
Media Core Internal Ø	3" (and 6" optional)

(*) The head gap is the distance between the media and the print head nozzle plate.

Performance

Output resolutions:	360 x 360 dpi, 360 x 720 dpi ^(**) , 360 x 180 dpi ^(*)
Speed levels (m²/h) :	54 ^(*) ^(***) , 27, 13.5, 6.7 and 3.3 ^(**)
Quality Levels:	draft, production, quality, high quality, high density ^(**)

(*) 360 x 180 dpi low resolution modes and 54 m²/h top engine speed are available on the printer. Applicability of these modes needs to be judged on an individual basis and can only be used in combination with Mutoh PJ4 high speed double density inks.

All speeds indicated are for the maximum output width.

(**) High density addressable 360 x 720 dpi at reduced speed is an excellent tool to print onto substrates requiring very high ink loads.

(***) Top engine speeds can only be used in combination with Mutoh PJ4 high speed double density inks.

Dimensions

L x W x H :	5930 x 1400 x 1890 mm
Weight :	1800 kg

Options

- Removable gutter for edge to edge printing, mesh & open textile printing or for other special applications.
- Media loading cart, for easy media transport of rolls up to 200 kg
- APS Quatro 4-stage Air Purification System
- Combined IR Dryer & Fan Bank (*)

(*) The optional infrared dryer/ fan bank is an excellent tool to appropriately finish your output.

- You will need the IR dryer / fan bank for output speeds of 40 m²/h or higher using Mutoh's PJ4 high speed double density ink.

- In any output mode, the IR dryer / fan bank helps to avoid stickiness of wound up prints and helps most solvents to evaporate before the print reaches the take-up system. This drastically reduces the media manufacturers' recommended dry out times (**)

(**) The dry out time is the time media manufacturers recommend you to expose rolled open self-adhesive PVC output to open air before final application.

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