

# MUTOH

Creation, we make it happen ...



## Wide format production solvent printer



- > 260 cm (102") or 190 cm (75") six colour solvent inkjet printer
- > Production speeds up to 45 m<sup>2</sup>/h
- > Prints true 360 dpi quality output onto uncoated materials
- > Fast turnaround & superior output quality
- > 5 head heights up to 4.5 mm for multiple media compatibility

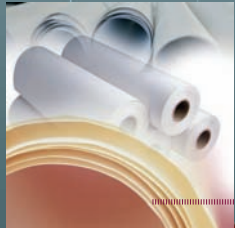


# > PRODUCTION SOLVENT INKJET PRINTER

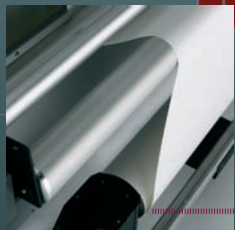
Meet Mutoh's third generation solvent-based inkjet printer, the Osprey. The Osprey is a 2600 mm (102") wide 6 colour solvent-based high volume printer specifically developed for long-term outdoor graphics. The Osprey combines everything you can possibly expect from a high-end volume oriented solvent production printer : Spectra® industrial strength inkjet heads, bulk ink supply (2 litre bottles), optimal runability (easy operation and minimal daily maintenance), incorporated heating elements for media conditioning and drying, adjustable head height, and last but not least a motorized unwinding/winding system for unattended printing. Typical production speeds of up to 45 m<sup>2</sup>/hour on standard available uncoated vinyl and banner can be reached. The Osprey will allow you to tackle practically any outdoor job : point of purchase displays, banners, signage, exhibition graphics, long-term backlit displays, vehicle graphics, street furniture, taxi & bus wraps, wall murals, seasonal and long-term corporate graphics, floorgraphics, ....



Large Ink Containers, Refillable on the Fly



Wide Media Acceptance



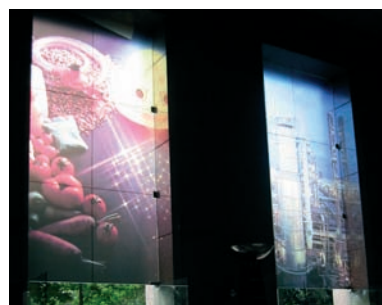
Unwinder / Winder System for Unattended Printing



User & Maintenance Friendly

## Osprey High Speed Double Density Inks

The high speed solvent-based double density Osprey inks (C, M, Y, K, Lc, Lm) offer the possibility to print directly onto standard uncoated PVC and banner materials and moreover reduce drying time considerably, resulting in higher printing speeds. Delivered in 3.25 liter bottles per colour, Osprey inks offer a wide colour gamut and will make your prints look brilliant and brighter than ever before.



### Maintenance-friendly

No special cleaning cycles are involved. Powering off the printer is done in a minute : wet a sponge per print head, put it in the capping station and just close the capping station. As a result, ink can stay overnight in the print heads. Moreover, the next morning your Osprey is immediately ready for volume printing.



### Media Versatility

The incorporated RIP controlled head height adjustment feature (regulable in 0.5 mm steps from 2.5 up to 4.5 mm) allows multiple media compatibility. Coated pressure rollers with variable down-pressure, allow loading of a wide range of uncoated PVC and banner materials (thickness up to 1 mm).



### High-End Head Technology

The Osprey incorporates six 256 nozzle Spectra® industrial strength print heads, specifically developed for true solvent-based ink applications. Thanks to the incorporated proven drop-on-demand inkjet head technology, combined with the use of specifically developed solvent inks, Osprey printers create high quality outdoor durable outputs.



### Media Acclimatisation

The Osprey has two incorporated heating elements, one for media acclimatisation before printing and the other one for post-conditioning of prints, making it possible to reach higher printing speeds and allowing efficient drying and high print quality.



### Unattended Printing

The incorporated fully motorised heavy-duty media unwinding/winding system, capable of handling loads up to 140 kg, allows unattended printing and makes sure the Osprey is ready to handle volume production.



### Durable Outdoor Prints

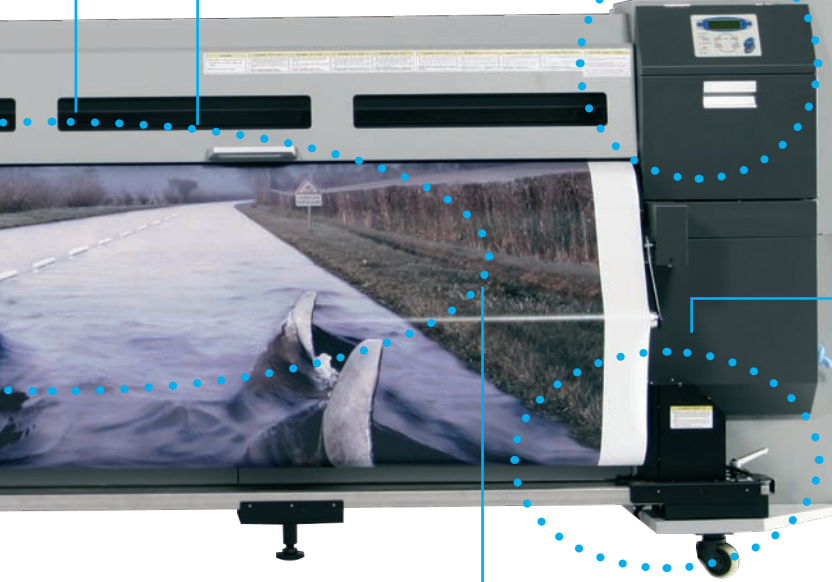
Because Osprey inks are waterproof and highly abrasion and UV-resistant, printed images can last outdoors for up to 5 years\*, without lamination\*\*, even on low cost materials.

\* : Based on accelerated weather tests. Northern European Standards.

\*\* : For heavy-duty applications where mechanical stress is involved (floor & vehicle graphics), media manufacturers will always recommend lamination. Prior to lamination, stabilisation time is required.

### Bulk Ink System

Inks are stored in six 2000 ml bulk ink bottles, allowing long autonomy and unattended printing. The bottles are stored in the Osprey's extendable ink tray system which is fully integrated inside the machine's body. This will allow the user to refill bottles neatly and conveniently, even whilst printing.



## > Specifications:



### Maximum Media / Print Width

Osprey 102":  
Maximum Media Width : 2600 (102.36")  
Maximum Print Width : 2500 (98.43")

### Inkjet Technology

Incorporates six 256 nozzle industrial strength Spectra® print heads, especially developed for true solvent-based ink applications.  
Drop-on-demand piezo solvent inkjet technology. One year head warranty

### Ink - Durability

High speed solvent-based double density inks – 6 colour channels (C, M, Y, K, Lc & Lm)  
2000 ml ink bottles refillable on-the-fly, allowing large autonomy and unattended printing.  
Prints are water, highly abrasion and UV-resistant for up to 5 years outdoor, without lamination.

### Application Possibilities

Prepared for demanding volume users.  
Outdoor durable graphics.

### Performance

(High) Quality output* (360 dpi, 2 pass)	11,5 m <sup>2</sup> /h - 22,5 m <sup>2</sup> /h
<b>Commercial production prints (360 dpi, 1 pass)</b>	<b>45 m<sup>2</sup>/h</b>
Draft speed mode (180 dpi, 1 pass bi-directional) **	90 m <sup>2</sup> /h

\* : The Osprey also supports an electronically addressable 720 dpi high density mode, an excellent tool to print onto substrates requiring abnormally high ink loads (5.9 m<sup>2</sup>/h).

\*\* : 180 dpi low resolution modes and 90 m<sup>2</sup>/h top engine speed are available on the printer.  
Applicability of these modes needs to be judged on an individual basis.

### Environmental Conditions

Temperature: 20° C – 30° C / Relative Humidity (no condensation): 35 % to 60 %

### Dimensions

L x W x H : 3775 x 940 x 1325 mm - Weight : 450 kg

### Standard included

- Ink starter set incl. 6 x 3.25 l high speed, double density quick dry ink (1 bottle per colour: C, M, Y, K, Lc, Lm)
- Media core brace set - to prevent bending of heavy media rolls
- Media tube for roll-up system
- Hard disk 20.3 GB (not pre-mounted)
- Network card (pre-mounted)
- User's guide
- Accessory kit:
  - Accessory box, power cable, foot switch, media holder plate (2), gloves (1 box), funnel, wipe cloth (1 box), print head wiper, operation panel cover, hand pump, cap sponge (6), waste liquid bottle, wash bottle, screwdriver, plastic spacer + screw, tray

### Options

- Mutoh's Infra Red Dryer
- APS Quatro 4-stage Air Purification System  
The APS Quatro will take care of unpleasant and annoying smells and will bring solvent levels in the working area far below accepted safety levels.
- Mutoh Edition Software. Different software packs developed to empower your workflow with efficient tools and features.

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# MUTOH

MUTOH EUROPE N.V.  
Tel.: 32-(0)59-56 14 00  
Fax: 32-(0)59-80 71 17  
E-mail: [mutoh@mutoh.be](mailto:mutoh@mutoh.be)  
<http://www.mutoh.be>  
<http://www.mutoh.eu>

MUTOH Deutschland GmbH  
Tel.: 49-211-385474-0  
Fax: 49-211-385474-74  
E-mail: [Mutoh-Sales@t-online.de](mailto:Mutoh-Sales@t-online.de)  
<http://www.mutoh.de>

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