



XFLEX X6 DIGITAL...
YES, WE CAN!

XFLEX
OMET X6

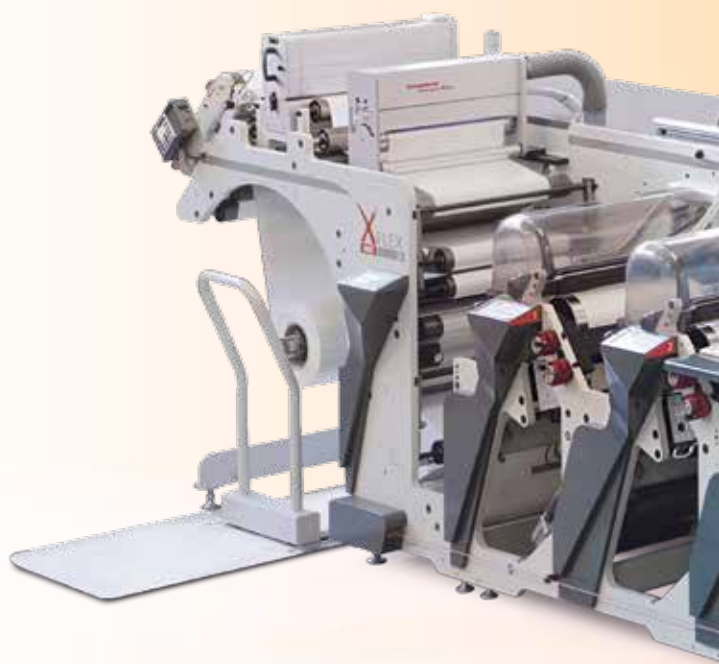
JetPlus
digital by **OMET**



OMET JetPlus is a modular wide format printing system, which combines the flexibility of digital printing with the productivity of flexo.

Specially recommended for very high-quality labels and packaging used to present and give value to prestigious products in small to medium runs, OMET JetPlus can print on a variety of different substrates.

Based on heads with a resolution of 600x600 DPI, OMET JetPlus is a compact, modular monochrome or CMYK printing system. The heads can be easily changed to preserve printing quality and machine availability. JetPlus is equipped with an innovative automatic washing system, which prevents the ink on the printing heads from drying even when the press is in stand-by. The user interface is easy to handle, offers a good control over the machine and thanks to its Windows technology it is truly intuitive. Start up procedure is very easy and fast. OMET JetPlus ensures high throughput due to high linear speed (up to 60 m/min) and large format print width (650 mm - 25" 19/32).



Monotwin Cut

Monotwin Cut uses a single magnetic cylinder for all label sizes, eliminating the need for converters to stock a large and expensive range of tools at their factories.

The advantages of the system are:

- A reduction in time and management costs: there is no need for keeping a stock of magnetic cylinders; you change just one single sheet and in a few seconds you can switch from one format to another without any material waste
- Reduced production problems associated with late deliveries of tools and variable tool quality
- Simple and intuitive to use
- Great operator ergonomics: no lifting tackle is required for cylinders
- Full control of the unit, web tension and waste removal from the main control panel
- Fully automatic pre-register and register control

XFlex X6 Digital Specifications



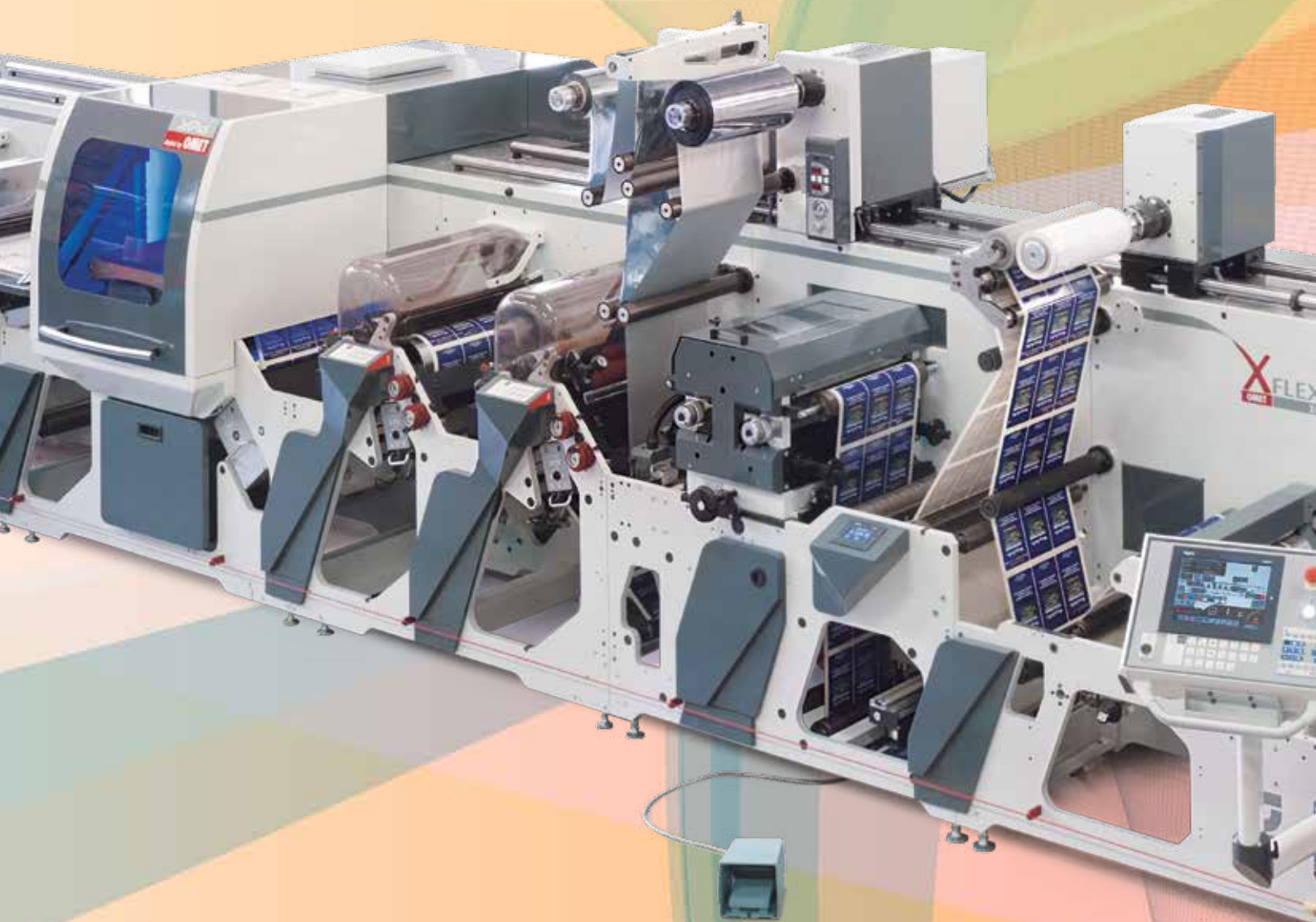
Printing Technology	Kyocera Piezo Inkjet technology incorporated within Domino proprietary jetting assemblies
Resolution	600 x 600 dpi native resolution
Speed	60 m /min optimal print speed
Print Width	333 mm; optional 430 mm
Inks	UV curable vibrant ink set with high gloss finish
Number of Colours	Yellow, Magenta, Cyan and Black - optional White
Substrates	PE, PP, Self-Adhesive Label Stock, Foils, adhesive coupled paper, coated paper
Substrate Conditioning	Corona, web cleaning, anti-static control
Curing	LED pin curing, UV curing module or chilled roller
Finishing	Web guide module, inline finishing interface, plus XFlex X6 finishing options (cold foil, hot foil, UV lamination, delam/relam, web, turn bar, peel & seal) and converting options (die-cutting, Rock'n'Roll matrix stripping, Monotwin Cut)
Additional Features	Consistent automated print head cleaning technology maintains all heads within 1 minute ensuring highest uptime; Robust print head capping technology protects all print heads when not in operation; Precise micro-motor controlled print head stitching enables alignment of all print heads to micron levels of accuracy to seamlessly print high quality images across the full print width; Reliable ink circulating system which removes air bubbles from the ink and maintains the ink temperature achieving the most consistent print results; Esko workflow
Final Applications	Small and medium runs of industrial and security labels; beverage; body care and household articles; labels for chemicals; aluminum foils for blister packaging; preprinted jobs; texts, images, barcodes, matrix and QR codes, Health and Safety, Automotive, Pharmaceutical and Food
Environment Required	Optimal temperature 21°C +/- 1°C; humidity 40/60%; corona and UV discharge gasses must be vented externally; clean/dry oil free air supply of at least 0.6 mpa, 90 psi, 6 bar
Service	Full coverage with optional service contracts

OMET reserves the right to change machine specifications at any time

- The availability of traditional printing technologies with the addition of **DIGITAL** on the same press is the most perfect answer for companies striving to stay competitive and capable of processing any order, as particular or small.



THE FIRST MULTI-PROCESS PRINTING PRESS WITH IN-LINE INKJET DIGITAL UNIT



Esko Digital Front End (DFE)

OMET JetPlus digital unit is fitted with the industry standard Esko Digital Front End (DFE), providing the digital colour management, a simple and basic Step and Repeat-function, RIP and the interface into the production workflow, as well as a few hot folder features.

Ensure smooth Digital Label Production - The Esko DFE is a "all in one" solution for highly productive digital label printing. With a clear and simple UI, it is easy to setup, easy to learn and easy to use in production.

Built on Industry standards - Starting from an industry standard Print-Ready PDF file on a hot folder or a Label created with Adobe® Illustrator®, the DFE server can execute a number of tasks fully automatically (Step & repeat - Adding finishing marks - Apply color management profiles - Generate output) to end up with a job that is ready to print.

Brand Colour Management - Esko's Colour Engine ensures colour consistency and repeatability, which are key elements for brand owners in today's global economy with ever increasing product variations.

The Esko DFE, combined with Colour Management and VDP tools reduces the time of job preparation and the press set-up time and ensures maximum productivity and value of XFlex X6 digital presses.



What's special in JetPlus

HIGH QUALITY

- 600x600 DPI resolution
- Up to 4 grey levels
- Dot sizes between 4-20 pL
- Printing width is modular in steps of 4.25" (108 mm)
- Supports water-based and UV-based inks to suit your application
- Speeds up to 60 m/min

EASY TO HANDLE

- Easy and fast start-up procedure
- Print modules can be easily replaced through with a unique system
- Easy set-up through the fully graphical user interface of the whole inkjet system
- Print full digital information in conjunction with an online RIP

FLEXIBILITY

- Materials: paper, adhesive coupled paper, laid paper or film. Pre-coated or special materials are not required

LOW COSTS

- Low investment costs due to very high integration of state of the art technology
- Spare heads are a cost effective way of ensuring ongoing print quality
- Refurbish program for spare heads is available
- Low cost production especially for short runs





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