CHOOSE THE PERFORMANCE OF
XFLEX X6 HIGH-TECHNOLOGY
MODULAR SOLUTION
VERSATILE • RELIABLE • TECHNOLOGY

THE RIGHT CHOICE
**IMPROVING PERFECTION**

The new XFlex X6.0 is the natural evolution of the renowned XFlex X6 printing line, the real step towards digital workflow and independent process. It is going to set higher standards in performance and quality by preserving the strong points that made XFlex X6 the best narrow-web platform in the market and integrating them with state-of-the-art technologies and automation.

XFlex X6.0 line enhances the potentiality of flexo printing and provides printers with the opportunity to improve their production potential and extend their product portfolio with top quality results and guaranteed return of investment.

**YOUR NEW WAY OF PRINTING**

XFlex X6 line is able to integrate several printing and converting technologies in-line and process all kind of substrates, from 12-micron film to light carton, producing many type of applications to satisfy the requests of different target markets.

**PRINTABLE MATERIALS**

- PS PAPER AND FILM
- UNSUPPORTED PAPER
- UNSUPPORTED FILM
- LIGHT CARTON
- ALUMINUM
- LAMINATES
- MULTI-LAMINATES

**TARGET mark**

- WINE & SPIRITS
- FOOD & BEVERAGE
- HOUSEHOLD
- INDUSTRIAL
- HEALTHCARE
- COSMETICS

**END-USE APPLICATIONS**

- SELF-ADHESIVE LABELS
- WET-GLUE LABELS
- MULTI-LAYER LABELS
- WRAPAROUND LABELS
- SHRINK SLEEVES
- LIDS
- TAGS & TICKETS
- IML
- FLEXIBLE PACKAGING
- LAMITUBE
- POUCHES & SACHETS
The integration of Digital Servo Drives enables very accurate set-up operations and automatic on-the-fly pre-registration of the plates to get them in position simply by pressing a button, with no waste of time and material.

DIRECT DRIVE

Flexo Direct-Drive technology and gearless concept eliminate even the smallest imperfection and allow the press to reach the purest quality with no backlash and perfect register stability, even at the highest production speeds.

MULTI-PROCESS

XFlex X6 modular design allows to combined and implement in-line, with no limitations, different printing technologies, as well as special finishing applications and converting units, to always get to the final product in one single passage.

ROCK‘N’ROLL DUAL FUNCTION

High-efficiency stripping unit suitable for any kind of label shape. Thanks to its double operational capability, it is able to work either as tower-style or contact-style stripping station, guaranteeing smooth die-cutting operations even at high speeds and with all kind of materials.

VERTRICAL FLECO CONFIGURATION

water base / solvent base - uv/uv led

FLEXO CONFIGURATION

water base - uv/uv led

The key strength of XFlex X6.0 is the new flexo station, conceived to redefine the way of printing with a fully automatic process, from start-up to job changeover. X6.0 renewed flexo stations feature automatic pressure adjustment and intelligent cruise control, with the capability to automatically set and correct the printing parameters at each job changeover, variation of material or production speed, setting unmatchable quality standards in label and packaging printing.
A complete restyling and a modern interface with touchpad controls make the press even more user-friendly, ergonomic and intuitive, offering the operator a new working experience and the comfort of a fully automatic and independent process.

The Transparent Factory Cloud is a digital data management software enabling the access to all the productive information of OMET machine.

It helps the printer control and manage the daily production in order to better support the planning and improve the efficiency of the entire production process.

TWIST – Easy-Change Die

OMET Twist is the special die-cutting station intentionally designed for a smooth and effortless changeover operation. It can simplify the operator’s life and minimize set up time, thanks to the Easy-Change Die system, which enables carrying out every job changeover with a simple move, through the innovative In&Out sliding system.
**VALUE TO YOUR PRODUCT**

XFlex X6 Offset Sleeve is the expression of all the potentiality offered by OMET innovation in the narrow-web printing market.

OMET Offset printing technology is a real value add for the production of high-end labels and flexible packaging.

Thanks to its unique variable-repeat sleeve technology, XFlex X6 Offset addresses especially to converters looking for a high-performance press able to provide the best quality in long runs, but also high efficiency in short-run jobs, in terms of pre-press cost savings and operational flexibility.

**MAIN FEATURES**

**EASY SLEEVE FORMAT CHANGE**

This innovative system is based on OMET patented sleeve technology with automatic pressure adjustment, which guarantees quick repeat changeovers and user-friendly operations.

**VARIABLE SIZE CONCEPT**

X6 Offset features infinitely variable print repeat, ranging from 14” to 25”, the widest on the market. The smaller sizes of the sleeves, and the low cost of the plates, give the possibility to cut equipment costs and have consistent advantages even in short-run jobs.

**RFID SLEEVES**

OMET Offset unit works with pneumo-locking sleeves available with fiberglass, aluminum or carbon fiber external tube and integrated RFID identification system for digital pre-press workflow.
The Offset printing unit patented by OMET is the result of an innovative engineering design conceived to reach the best print quality with the maximum operative efficiency, thanks to:

**High-precision ink distribution**
- Fully motorized and remotely controlled ink fountain blade with independent sectors.

**Homogeneous ink flow**
- Ink train system composed by 21 rolls and dampening system with independent adjustment at variable speed.

**Regular movement and perfect stability**
- Independent motors on the repeat sleeves and on the chilled impression cylinder.

**Sharp printing precision**
- Automatic pre-register and register control system.

**User-friendly operation**
- Multi-control station for remote print management and dedicated touch-screen panel on each printing unit.

The versatility of this platform comes from the combination of patented offset technology and the best flexo printing press on the market, creating a real added-value solution for the production of high-end labels and packaging. The multi-functional capability of XFlex X6.0 line allows the integration of special finishing units like Rotary Silk-Screen and Flatbed Hot Foil printing, to further enhance the value of the final products.

**COMBO FLEXO / OFFSET PLATE MOUNTER**
New plate mounting station with advanced plate alignment Vision System for sharp precision folding and mounting operations. It can be used for both flexo and offset plates.
OMET X6.0 JETPLUS is the result of the combination of the renowned OMET flexo quality and digital inkjet printing technology. This hybrid digital/flexo solution merges all the advantages of the two printing technologies in one single press. It widens significantly the range of printing opportunities, adapting the production to changeable market trends like personalization, just-in-time deliveries and final product enhancement.

FULLY INTEGRATED CONFIGURATION
Within OMET X6.0 JETPLUS is the only label press with in-line integrated configuration, combining Inkjet technology with OMET flexo units, perfect for pantones and solid printing, plus all finishing and converting units. The printer alone decides which technology to use at every run and the most convenient breakeven point according to daily production.

MONOTWIN CUT
One cylinder for any shape
The unique variable-size die-cutting unit by OMET, which works with one magnetic cylinder for all label shapes and dimensions and minimizes operational costs and changeover time, thanks to a fully automatic pre-register and register control.
**SYNERGY OF EXCELLENCE**

XFlex X6 modular units can be combined at will, with no limitations, allowing the implementation of different processes and special finishing applications in-line, to always get to the final product in one single passage.

**FINISHING & CONVERTING**

- **Cold foil & Lamination**
  Sliding unit for metallic effect applications and for UV or self-adhesive lamination.

- **Hot foil**
  Servo driven hot stamping system for special metallic effects. Sliding on rail or flatbed in-line stations.

- **Embossing**
  Inline system for raised or recessed relief images and designs.

- **Peel&Seal**
  Special unit for the production of multi-layer labels, booklets and coupons, up to 3 layers and 7 printed faces.

- **Varnishing**
  Extended web path for in-line UV gloss varnishing.

- **Delam-Relam**
  Modular system for printing on adhesive face, featuring web cutting bars for both back and front printing.

**SLITTING & DELIVERY SYSTEMS**

Different typologies of slitting systems can be integrated in-line into the converting section: shear cut, pressure cut, razor cut and underscoring assembly.

XFlex X6.0 can be configured with 3 main delivery options: Roll-to-Roll as the standard solution, Roll-to-Blank for special products like in-mould-labels or Roll-to-Sheet.

**TECHNICAL SPECIFICATIONS**

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<th>340</th>
<th>430</th>
<th>530</th>
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<tr>
<td>Web width</td>
<td>340 mm (13 3/8&quot;)</td>
<td>430 mm (16 7/8&quot;)</td>
<td>530 mm (20 7/8&quot;)</td>
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<tr>
<td>Print width</td>
<td>330 mm (13&quot;)</td>
<td>420 mm (16.5&quot;)</td>
<td>520 mm (20.5&quot;)</td>
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<td>Max speed</td>
<td>280 m/min</td>
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<td>Unwinder Ø</td>
<td>1000 mm (40&quot;)</td>
<td>1000 mm (40&quot;)</td>
<td>1000 mm (40&quot;)</td>
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<tr>
<td>Rewinder Ø</td>
<td>760 mm (30&quot;) - 1000 mm (40&quot;)</td>
<td>760 mm (30&quot;) - 1000 mm (40&quot;)</td>
<td>760 mm (30&quot;) - 1000 mm (40&quot;)</td>
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<td>Infeed / Outfeed</td>
<td>Servo driven</td>
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<td>Independent direct - drive motor</td>
<td>Independent direct - drive motor</td>
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<td>Sleeves</td>
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<td>Register control</td>
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**AVAILABLE PRINTING TECHNOLOGIES**

- Flexo
  - 12"-25"
  - 12"-25"
  - 12"-25"
- Vertical Flexo
  - 12"-25"
  - 12"-25"
  - 12"-25"
- Offset by Sleeve
  - 14"-25"
  - 14"-25"
  - 14"-25"
- Rotary Side-Screen
  - 12"-25"
  - 12"-25"
  - 16"-25"
- Rotogravure
  - 12"-26"
  - 12"-26"
  - 12"-26"
- Digital Inkjet
  - √
  - √
  - √

**AVAILABLE DIE-CUTTING UNITS**

- Double die-cutting station
  - 12"-25"
  - 12"-25"
- Cassette-style die-cutting station
  - 12"-25"
  - 16"-25"
- TWIST die-cutting unit
  - 12"-25"
  - 16"-25"
- Monotwin Cut
  - 12"-20"
  - 12"-20"

OMET reserves the right to change machine specifications at any time.
OMET Packaging Printing is located in Lecco, Italy, 50 kilometers north of Milan in a 3,000 square meters area, of which 2,000 square meters dedicated to production. The product portfolio of this business unit includes: narrow and mid web machines /or labels and packaging printing characterized by operational flexibility, efficiency on any job run, versatility on materials and personalized configurations to respond to any customer’s request.

Besides machines, OMET offers complimentary services including ancillary equipment, consultancy and accurate pre and post-sales service programs.