

**THE PERFECT
PRINTING SOLUTION**

YOUR NEW WAY OF PRINTING

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 sets higher standards in performance and quality by preserving the strong points that made XFlex X6 the best narrow-web platform on 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**.

TARGET MARKETS

WINE & SPIRITS

FOOD & BEVERAGE

HOUSEHOLD

INDUSTRIAL

HEALTHCARE

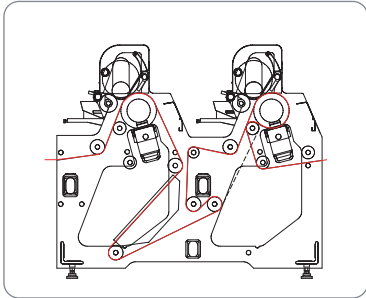
COSMETICS

SECURITY



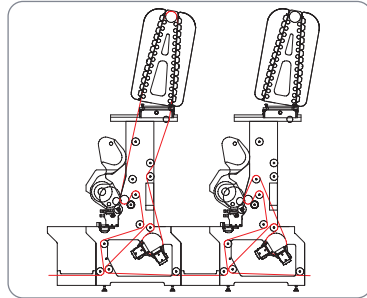
TRUSTED QUALITY

The key strength of XFlex X6.0 is the new flexo station, conceived to redefine the way of printing with an **automatic process**, from start-up to job changeover, setting **unmatchable quality standards** in label and packaging printing.



FLEXO CONFIGURATION

Water base - UV/UV led



VERTICAL FLEXO CONFIGURATION

Water base/solvent base - UV/UV led



Flexo Direct-Drive

Independent Direct-Drive servo motors on printing shaft and impression cylinder, confer **the best tension control and register stability** in any condition, with even complex substrates.

Gearless design

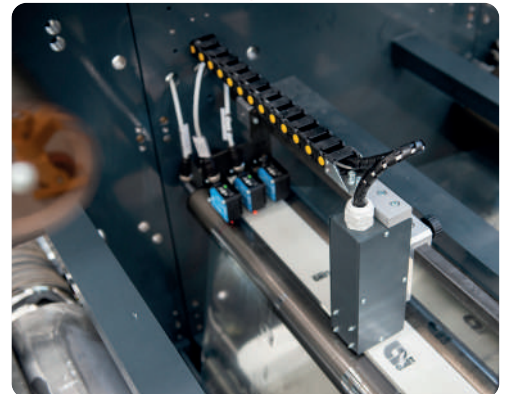
OMET Gearless concept allows the press to reach the **purest quality** with no backlash, even at the highest production speeds, lower the need for periodic maintenance.

Short web path

The compactness of the unit and **the extremely short web path** between one flexo station and the other **limits the level of waste** during start-up operations.

Ease of use

A complete restyling and a modern interface with touchpad controls makes the press even more user-friendly, **ergonomic and intuitive**, offering the operator the comfort of an **automatic and independent process**.



MAIN FEATURES

AUTOMATIC IMPULSE



ON-THE-FLY PRE-REGISTER

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.

MULTIVISION

Color-to-Color **automatic register adjustment and control based** on a multiple camera scanning system. It can control both machine and cross side of each single printing unit in **real time** and get the machine ready to print in less than 1 minute, generating **nearly no waste**.



AUTOMATIC PRINTING PRESSURE ADJUSTMENT

The X6.0 guarantees an intelligent printing process with **the automatic positioning of the printing pressures** at every change of speed, substrate thickness and repeat length thanks **to motorized pressure** setting of both the anilox roll and the impression cylinder. **The "No Panic" function** gives the possibility to automatically reset the pressures and return to the initial settings by pushing a simple button.



MULTI-PROCESS TECHNOLOGY

XFlex X6.0 modular design allows to combined and implement in-line, **different printing technologies**, as well as **special finishing applications and converting units**, to always get to the final product in one single passage.

Cold foil & Lamination

Sliding unit for metallic effect applications and for UV or self-adhesive lamination.



Coating

Extended web path for in-line UV or water-base gloss and matt varnishing, with customized drying solutions.

Peel&Seal

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

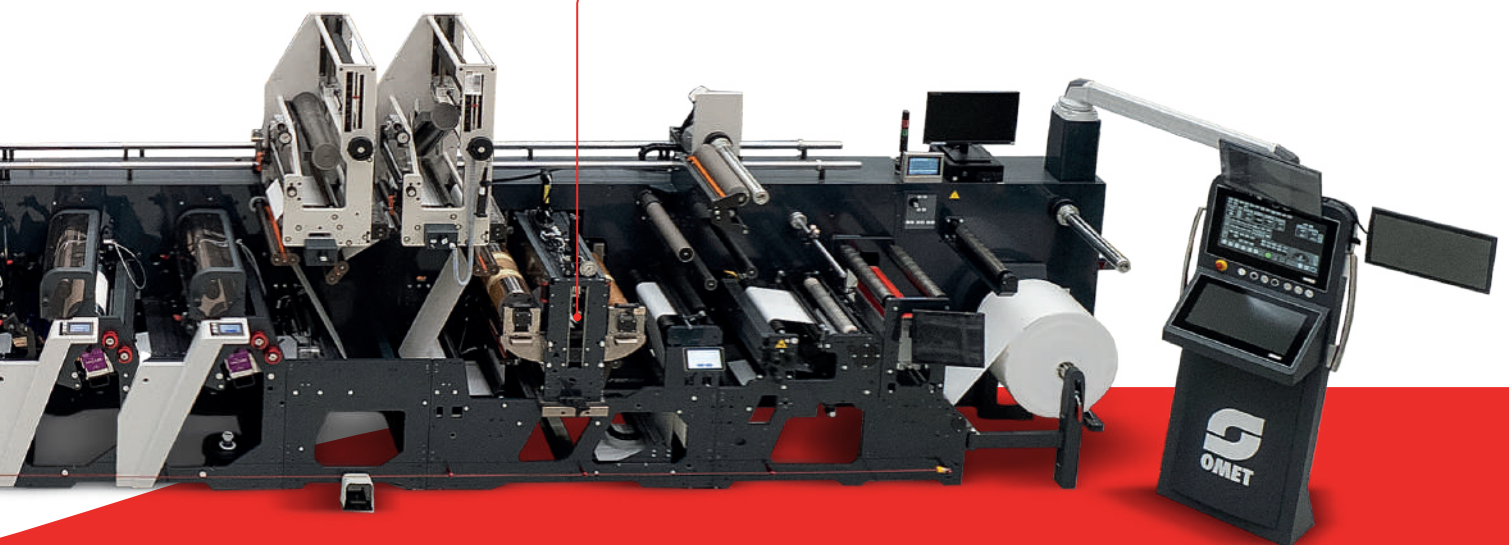
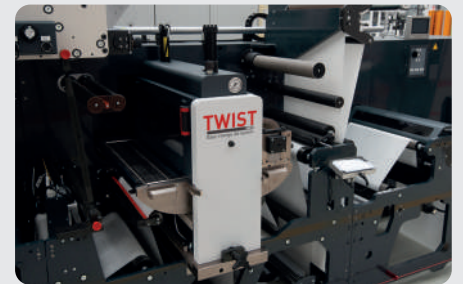


Multi-Substrate Lamination

It allows to print and couple two different substrates in a single pass obtaining multi-layer applications in full width with up to 3 printed faces.

TWIST - Easy-Change Die

OMET Twist is the **special die-cutting station** designed for smooth and effortless changeover operations. It simplifies the operator's life and **minimize set up time**, thanks to the **Easy-Change Die system**, which enables to change the magnetic cylinder with a simple move, with **no need for any lifting device**.



VALUE TO YOUR PRODUCT

REAL VARIABLE SIZE OFFSET

XFlex X6 Offset by 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 **prepress cost savings and operational flexibility**.



OFFSET PRINTING UNIT

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 and high precision adjustments.

Homogeneous ink flow

Ink train system composed by 21 rolls and dampening system with independent adjustment at variable speed and automatic control of water temperature and conductivity.

Regular movement and perfect stability

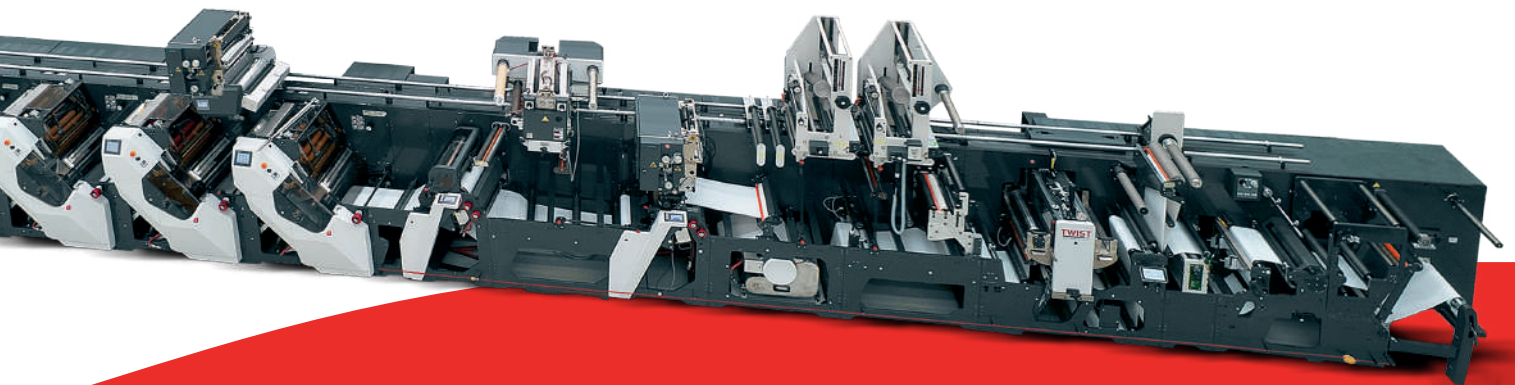
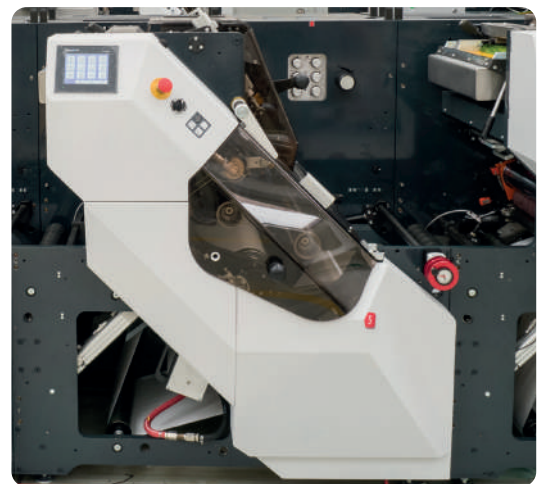
Plate shaft and impression cylinder are in fixed position assuring extreme rigidity and smooth operations.

Sharp printing precision

Independent motors on the repeat sleeves, chilled impression cylinder, ink train and dampening system.

User-friendly operation

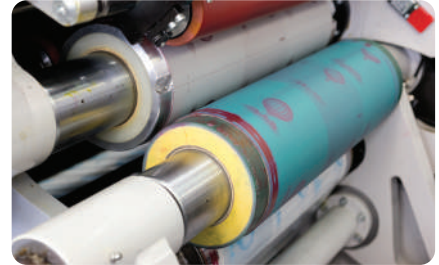
Multi-control station for remote print management and dedicated touch-screen panel on each printing unit.



MAIN FEATURES

EASY SLEEVE FORMAT CHANGE

This innovative system is based on **OMET patented sleeve technology** with independent pressure adjustment and micrometric printing shafts positioning, 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, as well as 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 features **RFID identification system** for blanket ware out level check-up and **automatic identification of the print repeat**, which prevents from possible human mistakes.



HYBRID PRINTING COMBINATION

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.

Hot foil

Servo driven hot stamping system for special metallic effects. Sliding on rail or flatbed in-line station



Embossing

In-line cassette-style station for raised or recessed relief images and designs

Silk-Screen printing

The ideal complement for high coverage printing and the application of thick varnish layers, typical of the cosmetic and pharmaceutical market sectors

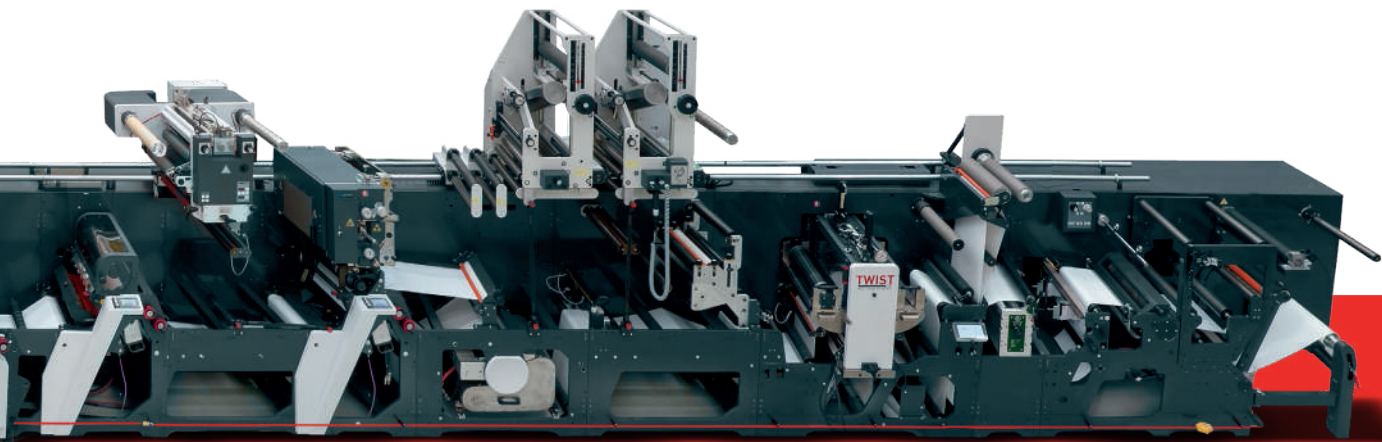
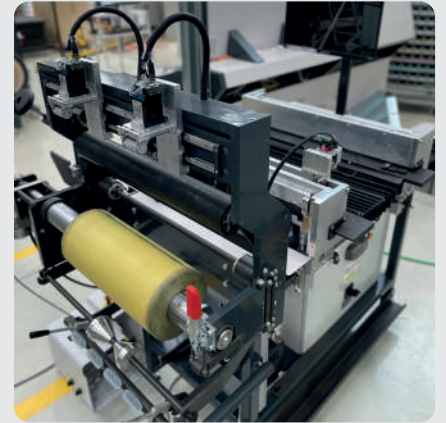


Hologram transfer

In-line integration for special hologram effects and anti-counterfeiting elements dedicated to security applications

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.



ULTIMATE VERSATILITY

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

XFlex X6.0 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 types of applications to satisfy the requests of different target markets.

PRINTABLE MATERIALS

- PAPER AND FILM FACE STOCK
- UNSUPPORTED PAPER
- UNSUPPORTED FILM
- LIGHT CARTON
- ALUMINUM
- LAMINATES
- MULTI-LAMINATES

DELIVERY SYSTEMS

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



	340	430	530
Web width	340 mm (13 3/8")	430 mm (16 7/8")	530 mm (20 7/8")
Print width	330 mm (13")	420 mm (16,5")	520 mm (20,5")
Max. speed	200 m/min		
Unwinder Ø	1000 mm (40")		
Rewinder Ø	760 mm (30") - 1000 mm (40")		
Infeed/Outfeed	Servo driven		
Printing transmission	Servo Direct-Drive		
Printing technology	Sleeves		
Machine and Cross register adjustment	Automatic		
Register control	Automatic		

AVAILABLE PRINTING TECHNOLOGIES

	340	430	530
Flexo	12" - 25"	12" - 25"	12" - 25"
Vertical Flexo		12" - 25"	12" - 25"
Offset by Sleeve		14" - 25"	14" - 25"
Rotary Silk-Screen	12" - 25"	12" - 25"	16" - 25"
Rotogravure		12" - 26"	12" - 26"
Digital Inkjet	√	√	√

AVAILABLE DIE-CUTTING UNITS

	340	430	530
Double die-cutting station	12" - 25"	12" - 25"	
Cassette-style die-cut		12" - 25"	16" - 25"
TWIST Easy-Change Die		12" - 25"	16" - 25"
TANGO Movable die-cut on rails	12" - 25"	12" - 25"	16" - 25"
Monotwin Cut	12" - 20"	12" - 20"	

OMET reserves the right to change machine specifications at any time.



INNOVATION WITH PASSION



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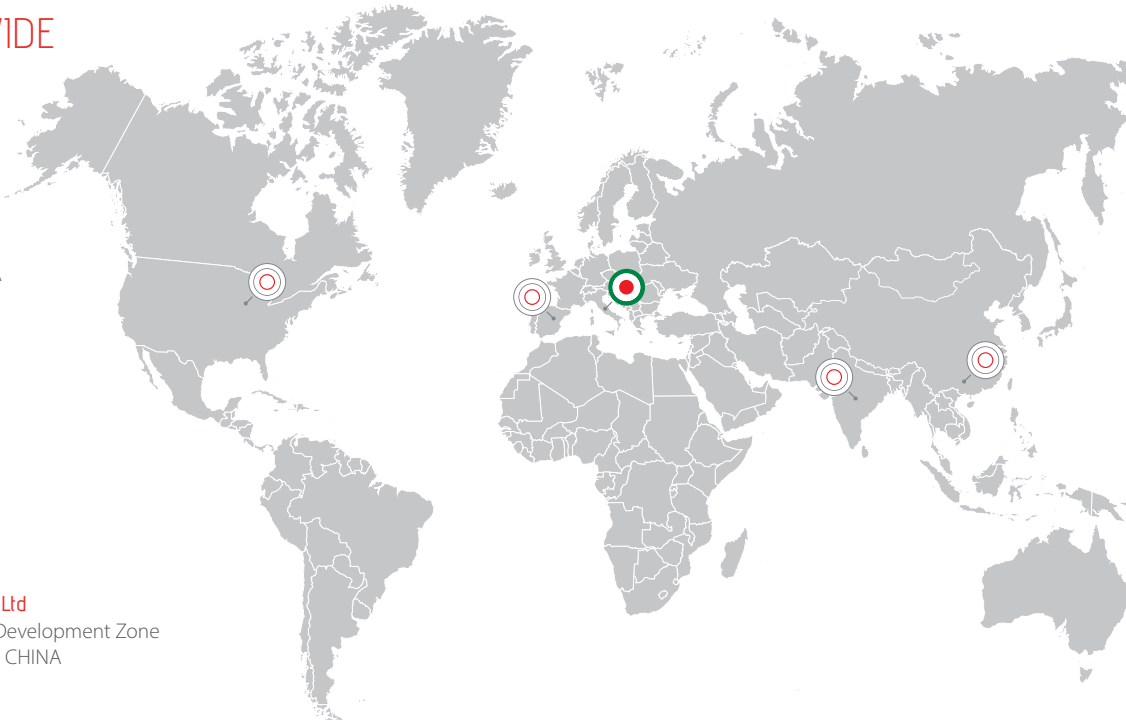
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