



CHOOSE THE PERFORMANCE
OF **XFLEX X7** HIGH-QUALITY
SOFT-TOUCH PRINTING
PRECISION • SPECIAL EFFECTS • TAILOR-MADE

HIGH-VALUE SHRINK SLEEVES





THE HIGH-VALUE SPECIAL PRINTING SOLUTION

PRINTING THE BEST QUALITY EVER

XFlex X7 has been created with the target to merge the best features of **XFlex X6.0** and **Varyflex V2** into a new amazing printing press. It's a 670mm (26") mid web printing machine ideal for flexible packaging and shrink label printing at the maximum level of quality, thanks to the unmatched technology of XFlex flexo unit, motorized printing pressure and Multivision camera on each printing unit with On-the-Fly pre-registration.

XFlex X7 offers different possibilities of combination printing and special effects for high-value final products as like the brand Soft Touch Rotogravure unit allow ing new and unmatched results, the Soft Touch Vertical Flexo with longer drying tunnel and **Rotary Screen 670mm** width.

XFlex X7 is able to integrate several printing and converting technologies in-line and process all kind of substrates, in particular flexible packaging and shrink sleeves from 9-micron thickness.

PRINTABLE MATERIALS

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

END-USE APPLICATIONS

- SHRINK SLEEVES
- FLEXIBLE PACKAGING
- LAMITUBE
- POUCHES & SACHETS
- SELF-ADHESIVE LABELS
- WET-GLUE LABELS
- MULTI-LAYER LABELS
- WRAPAROUND LABELS
- IML
- LIDS
- TAGS & TICKETS

TARGET MARKETS

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



FLEXO PRINTING UNIT OPTIONS

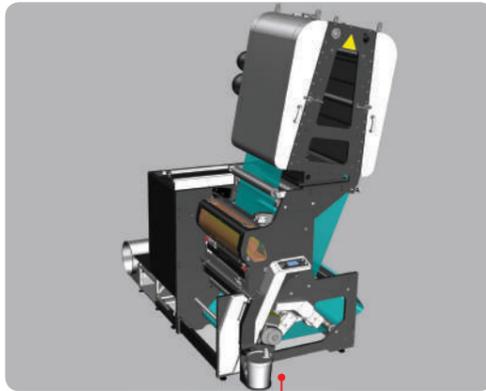
FLEXO PRINTING UNIT

The new concept of X7 flexo printing unit is full motorized with the **Zero Gears Solution** which allows the maximum level of precision on the market (thanks to 9 motors on each printing unit). The X7 flexo printing unit has been designed with new materials and secret components which enables reduced AE variation at change speed and anti-bounce capability, unique on the market. Each unit offers sliding inking tray, removable by trolley, and has UV on impression roll with the possibility of using powerful water cooled UV drying.

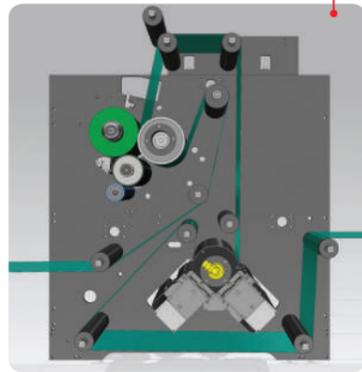


THE VERTICAL FLEXO PRINTING UNIT

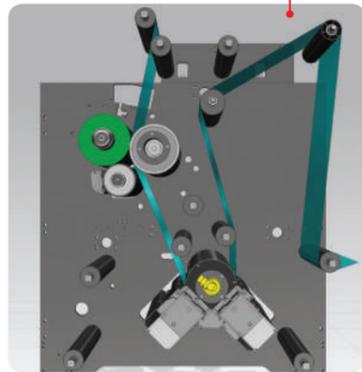
The X7 can be equipped with a new full servo Vertical Flexo unit for flexo front and reverse printing, with sliding and removable ink tray. The new Vertical Flexo has a long drying tunnel with 2 UV, for water and solvent base inks and it allows to work with soft touch applications, water-based or 2 UV. The unit feature an ink pump integrated on the inking trolley and allows different web path combination.



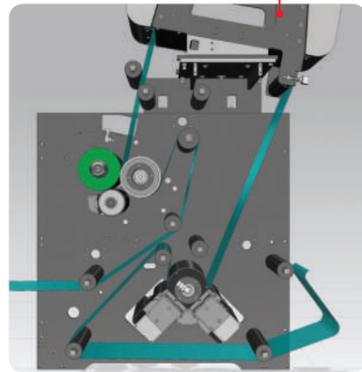
Flexo front - Hot air + 2 UV



Flexo front - 2 UV



Flexo reverse - 2 UV



MAIN FEATURES

ON-THE-FLY REGISTRATION

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. The automatic positioning of the plate at simple passage of the mark allows an automatic registration, independent of the web path and of the operator.



MULTIVISION

Automatic printing registration adjustment and control based on a multiple camera scanning system. It can control both machine and cross side of each single printing unit, simultaneously and concurrently, and get the machine ready to print in less than 1 minute generating nearly no waste.



FLEXO AUTOMATIC PRINTING PRESSURE

The X7 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 ultra precise 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

The X7 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.





HIGH-VALUE ROTOGRAVURE UNIT

X7 can be equipped with a **brand new High-Value Rotogravure** unit, with accessibility for the operator on centerline, on both side. The printing cylinder and inking tray can be loaded on to the front side of the rotogravure unit. The unit can print front and reverse and it is equipped with integrated chill drum and doctor blade with front and reverse position.



MAIN FEATURES

ROTOGRAVURE: THE PRINTING CYLINDER

A new concept of rotogravure printing cylinder allows better printing results:

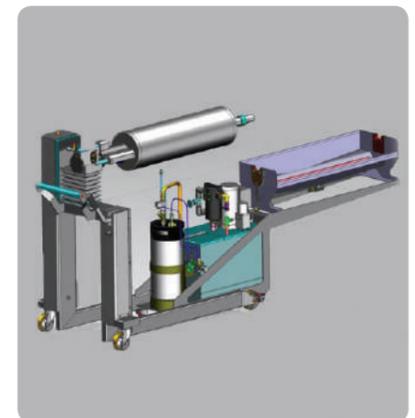
- Direct Drive motor on printing cylinder, with NO gears
- Pressure roll with conical sleeve system
- Printing cylinder without bearings



ROTOGRAVURE: THE TROLLEYS

The new X7 High-Value Rotogravure unit has different trolleys and solution to helps the operator in the handling of the unit:

- Specific trolley with automatic lift for loading and unloading the printing cylinder with no need of other systems:
 - New single all-in-one inking tray, no double
 - Less surface of the cylinder exposed to the air
- Specific trolley for ink tray, pump and viscosimeter



ROTOGRAVURE: THE SOFT TOUCH

The new Rotogravure unit has been developed with the target to apply special effects on shrink sleeve, label and flexible packaging with smart operation and "green thinking", with the possibility to use water base inks and air drying recirculation:

- Water base, water base+UV inks, solvent
- Bypass air drying at stop of machine
- Air drying recirculation
- Soft touch application (water base + 2 UV)
- Soft touch front and reverse side
- Special varnishes for special effects: tactile features (leather, sand, textiles, peach)





NEW X7 UNWINDER

New concept with independent motor on the reel. Expandable shaft, supported on both side, automatic lift on the reel. A dedicated reel trolley from pallet to unwinder is available.



Smart Cruise Control



Direct Drive Motors



Multivision



On-the-Fly Registration



Automatic Pressure Adjustment



TWIST - EASY CHANGE DIE CUTTING

Special front and reverse die-cutting station web width 530mm designed for a smooth and effortless changeover operation. Thanks to Easy Change Die system, it can simplify the operator's life and minimize set up time through the innovative In&Out sliding system. Inserting of tools with trolley, no need for hoist, with laser pointers to support the mounting and a parking area for flexible die changing.



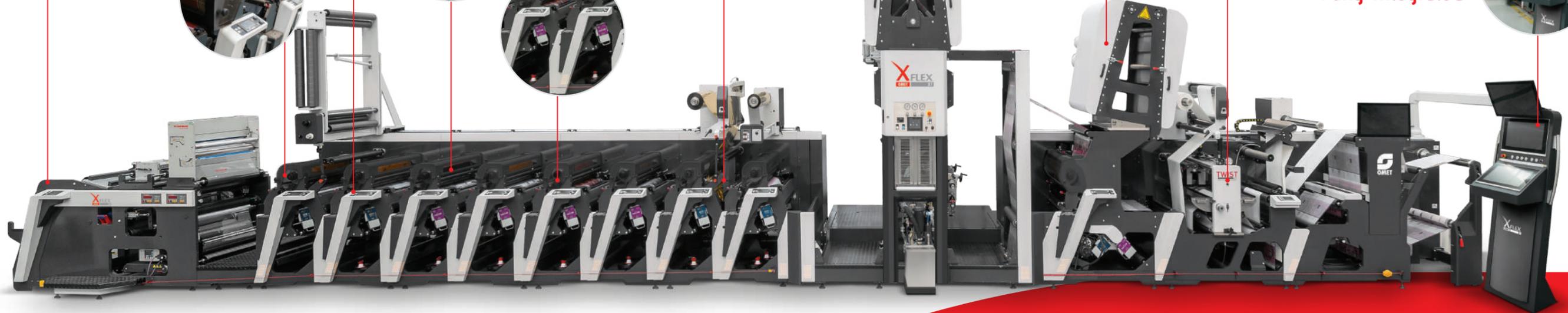
High-Value Rotogravure Unit



Flexo Vertical UV-Water base Solvent



Movable Operator Panel Fully Integrated





HIGH-VALUE SHRINK SLEEVE

The application of special varnishes and tactile effects like soft touch, leather, sand are the new trends of the market. The X7 is a modular printing and converting platform allowing to use all special effects on shrink sleeves as well as high quality labels and flexible packaging.

PRINTING TECHNOLOGIES

FLEXO UV

FLEXO WATER-BASE+UV

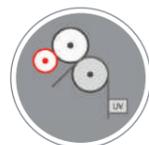
FLEXO SOLVENT-BASE

ROTOGRAVURE SOLVENT-BASE

ROTOGRAVURE WATER-BASE+UV

ROTARY SCREEN+UV

DRYING AND CURING SYSTEMS



UV



HOT AIR

FINISHING & CONVERTING

Cold foil & Lamination

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



Hot foil

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

Cast & cure

Decorative coating process that integrates "casting" and "curing" techniques to form a consistent high quality surface that can include ultra high gloss, matte and holographic finishes on a variety of substrates.

Embossing

In-line system for raised or recessed relief images and designs.



Varnishing

Extended web path for in-line UV gloss varnishing.



Delam-Relam

Modular system for printing on adhesive face, featuring web-turning bars for both back and front printing.

SLITTING & DELIVERY SYSTEMS

Different typologies of **slitting systems** can be integrated in-line into the converting section of X7: shear cut, pressure cut, razor cut and underscoring assembly. X7 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

X FLEX OMET X7	
670	
Web width	670 mm (26" 3/8)
Print width	660 mm (26")
Max. speed	200 m/min
Unwinder (diameter)	1000 mm (40") + 760 mm (30")
Rewinder (diameter)	760 mm (30") - 1000 mm (40")
Printing transmission	Independent direct-drive motors
Printing technology	Sleeves
Machine and cross register adjustment	Camera on each printing unit
Register control	On-the-Fly registration
AVAILABLE PRINTING TECHNOLOGIES	
Flexo UV - WB - SB	12" - 25"
Vertical Flexo	12" - 25"
Rotary Silk-Screen	16" - 25"
Rotogravure	16" - 26"
AVAILABLE DIE-CUTTING UNITS	
Cassette-style die-cutting station	12" - 25"
TWIST die-cutting station	16" - 25"

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



INNOVATION WITH PASSION

OMET srl

Via Caduti Lecchesi a Fossoli, 22
23900 Lecco, ITALY
Tel. +39 0341 282661
Fax +39 0341 363731
www.printing.omet.com



OMET WORLDWIDE



OMET Americas Inc

1291 Brummel Ave
Elk Grove Village, IL 60007 USA
Tel. +1 847 621 2369
sales@ometamericasinc.com
www.ometamericasinc.com



OMET Ibérica I&C Sl.

Calle Provenza, 196
08036 Barcellona SPAIN
Tel. +34 66 9789946
Fax +34 93 4907740
ometiberica@terra.es



OMET (Suzhou) Mechanical Co. Ltd

N.255 Quande Rd, Economic Development Zone
215200 Wujiang City (Jiangsu) CHINA
Tel. +86 512 63033668
admin@omet.cn
www.omet.cn



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.



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