



THE PERFECT PRINTING SOLUTION



IMPROVING PERFECTION

The XFlex is the award-winning platform able to set higher standards in performance and quality throughout the years. With the latest addition of state-of-the-art technologies and automation, it has made a real step towards **digital workflow and independent process**.

The **XFlex print line** includes: OMET best seller **X6** multi-functional platform in its standard and enhanced **X6.0** version, the perfect solution all round for the production of **top-quality labels and packaging** - and the **X7**, the amazing 670mm-width printing press dedicated to **high-end flexible packaging and shrink sleeve production**.



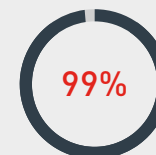
TRUSTED QUALITY, CUTTING-EDGE AUTOMATION

YOUR NEW WAY OF PRINTING

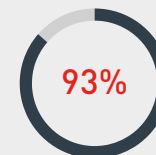


**MASTERS
IN MOTION**
Tension Control Technology

TWIST
OMET
Easy-change die system



Operational
Uptime



Real
Efficiency



Made in Italy
Technology

OPERATOR INDEPENDENT RESULTS



END-USE APPLICATIONS

Labels

Flexible Packaging

Folding Carton



**FASTER
ROI**



**AWARD-WINNING
PLATFORM**

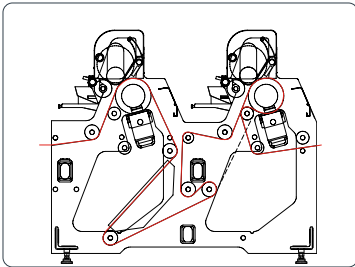


> TRUSTED QUALITY

X6 modular design with a complete restyling and a modern interface with touchpad controls makes the press even more **user-friendly, ergonomic and intuitive.**

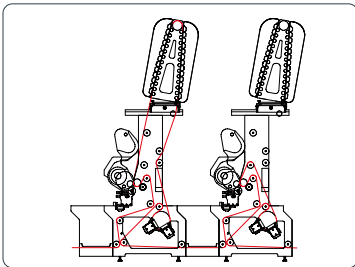
FLEXO

Water-based UV/UV LED



VERTICAL FLEXO

Water-based solved UV/UV LED



- > **GEARLESS DESIGN**
Purest quality with no backlash
- > **FLEXO DIRECT-DRIVE**
The best tension control and register stability
- > **SHORT WEB PATH**
Limited level of waste
- > **EASE OF USE**
Modern HMI for operator-friendly process



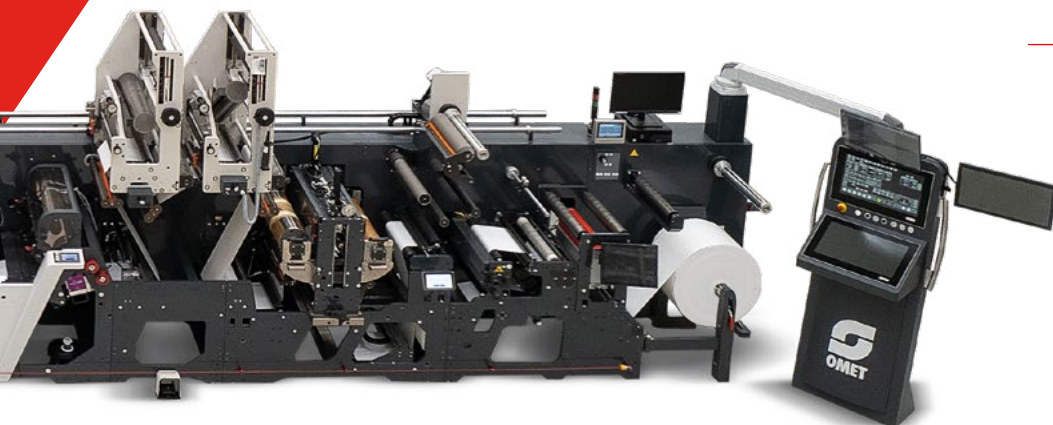
> AUTOMATIC IMPULSE

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.



> AUTOMATIC PRINTING PRESSURE ADJUSTMENT

- Automatic **kiss printing** positioning
- Automatic pressure adjustment **at every change of speed, substrate and repeat length**
- **No panic function** for automatic return to kiss printing
- Selectable **ultra-fine pressure setting**: motor side, operator side & parallel movement



CHECK IT OUT!

X6.0 SPECIAL
FUNCTIONS



X6

> 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 addition** for the production of **high-end labels and flexible packaging**.



> EASY SLEEVE FORMAT CHANGE

High precision and repeatability at every repeat changeover

> VARIABLE SIZE CONCEPT

Cut equipment costs and have consistent advantages even in short run jobs

> PERFECT STABILITY

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



COMBO FLEVO/OFFSET
PLATE MOUNTER

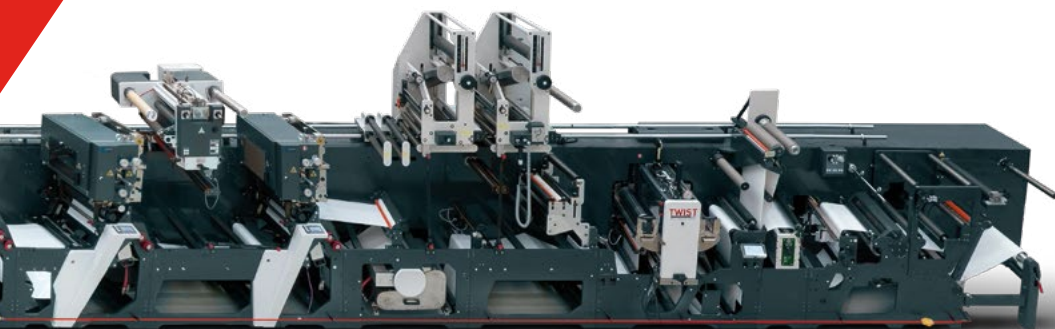


› HYBRID PRINTING COMBINATION

The X6 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**.

› MULTI-FUNCTIONAL CAPABILITY

- **In-line printing technologies:** offset, flexo, rotary silk-screen, gravure
- **In-line finishing options:** Cold foil, Hot foil, Lamination, Delam/Relam, Peel&Seal
- **In-line special coatings:** UV, water base, combined
- **In-line converting section:** die-cutting, embossing, slitting, sheeting



ROTARY SCREEN UNIT
MOVABLE ON RAILS

› YOUR WAY OF CONVERTING



TWIST Easy-Change Die

- Die-cut changeover in less than 1 minute
- Safe and effortless operations
- Automatic On-The-Fly pre-register
- Motorized lateral adjustment



TANGO ECDC movable on rails

- Easy-change Die-cut system
- Positionable all along the printing line
- Internal and external die-cutting shape



MONOTWIN CUT Variable-size Die-cut

- 1 magnetic cylinder for all repeats
- Automatic plate changeover
- Perfect for short run



Rock'N'Roll Dual Function Perfect solution for all die-cutting shapes



OMET Gap PRO Micrometric cutting precision with any substrate



Easy-Strip Smooth stripping process of strong adhesive substrates

» TECHNICAL FEATURES

	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 [656 ft/min]		
Printing transmission	Servo Direct-Drive		
Flexo printing technology	Sleeves		
Automatic register control	●		
Vision System	○		
Multivision System	○		
Automatic pressure adjustment	○		
AVAILABLE PRINTING TECHNOLOGIES			
Flexo UV/UV LED - Water-base/Solvent-base	(10") 12" - 25"	(10") 12" - 25"	(10") 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			
Rotary die-cutting station	12" - 25"	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"	

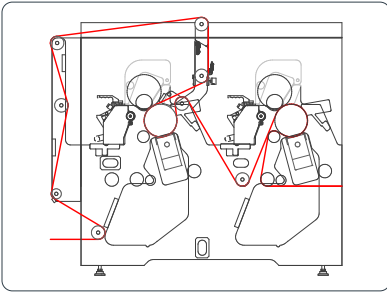
OMET reserves the right to change machine specifications at any time.

X7

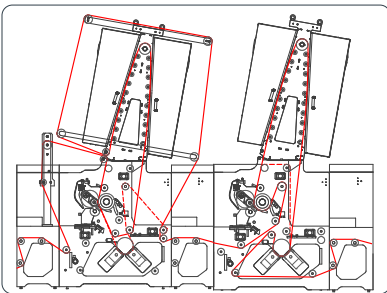
> THE BEST QUALITY EVER

The **X7 Flexo** units introduce the new concept of fully motorized **Zero Gear Solution**, which assures the maximum level of precision and stability at the **maximum speed of 250 m/min**.

FLEXO PRINTING UNIT



VERTICAL FLEXO PRINTING UNIT



- > **ANTI-BOUNCE CAPABILITY**
Maximum print stability and precision
- > **VARIABLE ANILOX SPEED**
Reduced ΔE variation at change of speed
- > **HIGH ERGONOMICS**
Sliding inking tray for lean operations
- > **REVERSE PRINTING**
Hot air & UV front/reverse printing capability



> ECO-DRIVEN TECHNOLOGY

OMET cares about **sustainability** and implements dedicated technology to reduce carbon footprint of the machine. Waste reduction and energy saving are the drivers of all our new technical developments.

> ON THE FLY PRE-REGISTER

Automatic color registration regardless of the web path, allowing **limited wastage at every start up**

> AUTOMATIC PRESSURE ADJUSTMENT

Automatic kiss printing positioning and pressure adjustment ensuring color consistency and **avoiding waste during the entire run**

> HIGH-EFFICIENCY HOT AIR DRYERS

The new hot hair drying system features an innovative design, enabling **increased efficiency** and **reduced energy consumption**



+25%
PERFORMANCE

-20%
ENERGY
CONSUMPTION

X7

➤ HIGH-VALUE ROTOGRAVURE UNIT

X7 can be equipped with a new **high-value Rotogravure unit**, with accessibility for the operator from the centerline, on both side. The **ergonomic design** of this unit facilitates the job of the operators and enables lean changeover operations.



➤ DIRECT DRIVE PRINTING

Servo direct-driven printing cylinder with no gears and bearings

➤ FRONT/REVERSE PRINTING

Front/reverse printing capability by changing the position of the doctor blade

➤ LEAN CHANGEOVER PROCESS

All-in-one specific trolley for easy and quick operations



> HIGH-VALUE SHRINK SLEEVE

The new Rotogravure unit has been developed with the target to **add value** on shrink sleeve and flexible packaging through the application of special varnishes and **Soft Touch tactile effects** which are the new trend of the market.



CHECK IT OUT!

TRIPLE ROTOGRAVURE
COMBINATION AT 250 m/min



> THE POWER OF AUTOMATION



OMET VISION SYSTEM

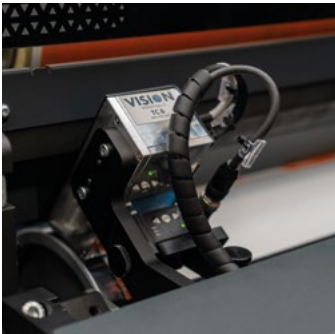
Exclusive **automatic register adjustment and control** of both longitudinal and lateral directions

> VISION Print & Cut

Die-cutting adjustment capability

> VISION*

Perform a repeatable adjustment with **no need for pre-register set-up** and regardless of operators skills, plate positioning and press configuration



OMET MULTIVISION SYSTEM

Multicamera screening system for color-to-color reading and **faster real-time adjustment**, generating **nearly no waste**

> MULTIVISION+

Minimal waste on the edges of the web thank to a new reading capability and **MCM technology**

PRINTING AND
CONVERTING
UNITS UNDER
CONTROL

UP TO
80%
MATERIAL
SAVING

OPERATOR
INDEPENDENT
ADJUSTMENT

REPEATABLE
SET UP TIME
& WASTE

› TECHNICAL FEATURES

	670
Web width	670 mm (26" 3/8)
Print width	660 mm (26")
Max speed	250 m/min (820 ft/min)
Printing transmission	Full Servo Direct-Drive
Flexo printing technology	Sleeves
Automatic register control	●
Vision System	○
Multivision System	○
Automatic pressure adjustment	○
AVAILABLE PRINTING TECHNOLOGIES	
Flexo UV/UV LED - Water-base/Solvent-base	12" - 25"
Rotary Silk-Screen	16" - 25"
Rotogravure	16" - 26"
AVAILABLE DIE-CUTTING UNITS	
Cassette-style die-cutting station	16" - 25"
TWIST die-cutting station	16" - 25"

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**INNOVATION
WITH
PASSION**



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