OMET

PRINTING
YOUR WAY

XFLEX
OMET X6
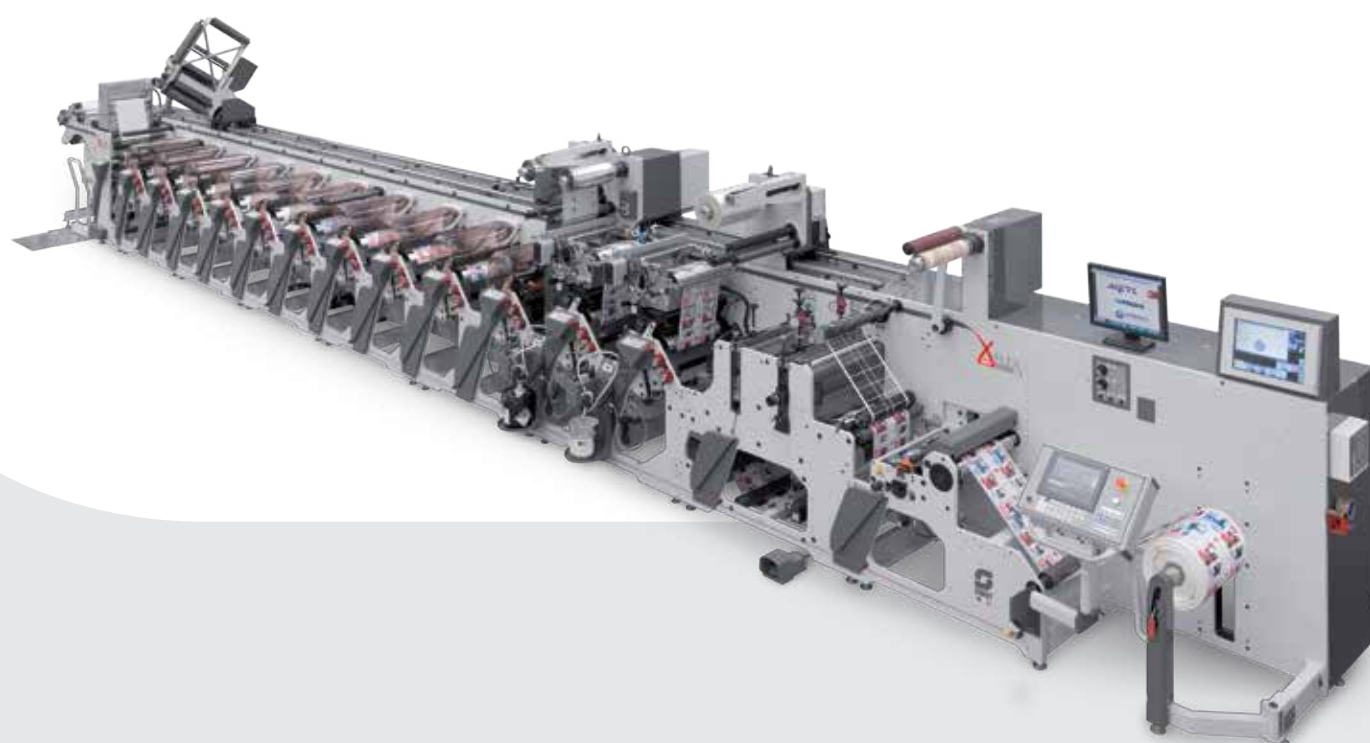
XFLEX X6
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A pay-back investment for any company looking for high productivity, efficiency and astonishing printing results.

XFlex X6 by OMET is a top-class press, capable of producing the most complex and creative label designs on a variety of substrates and offering a whole range of additional units for special applications and high-end finishing. Its characteristics of short web path, perfect registration at the highest speeds and general ease of use and ergonomics involve immense time savings during start-up and considerably reduce general wastage. The press inner stability is synonymous of high precision, printing consistency and reduced maintenance.

XFlex X6 is the ideal press integrating any printer's equipment whose dream is to be competitive on an extended product portfolio.

With XFlex X6 printing your way is simpler, more consistent and really effective!

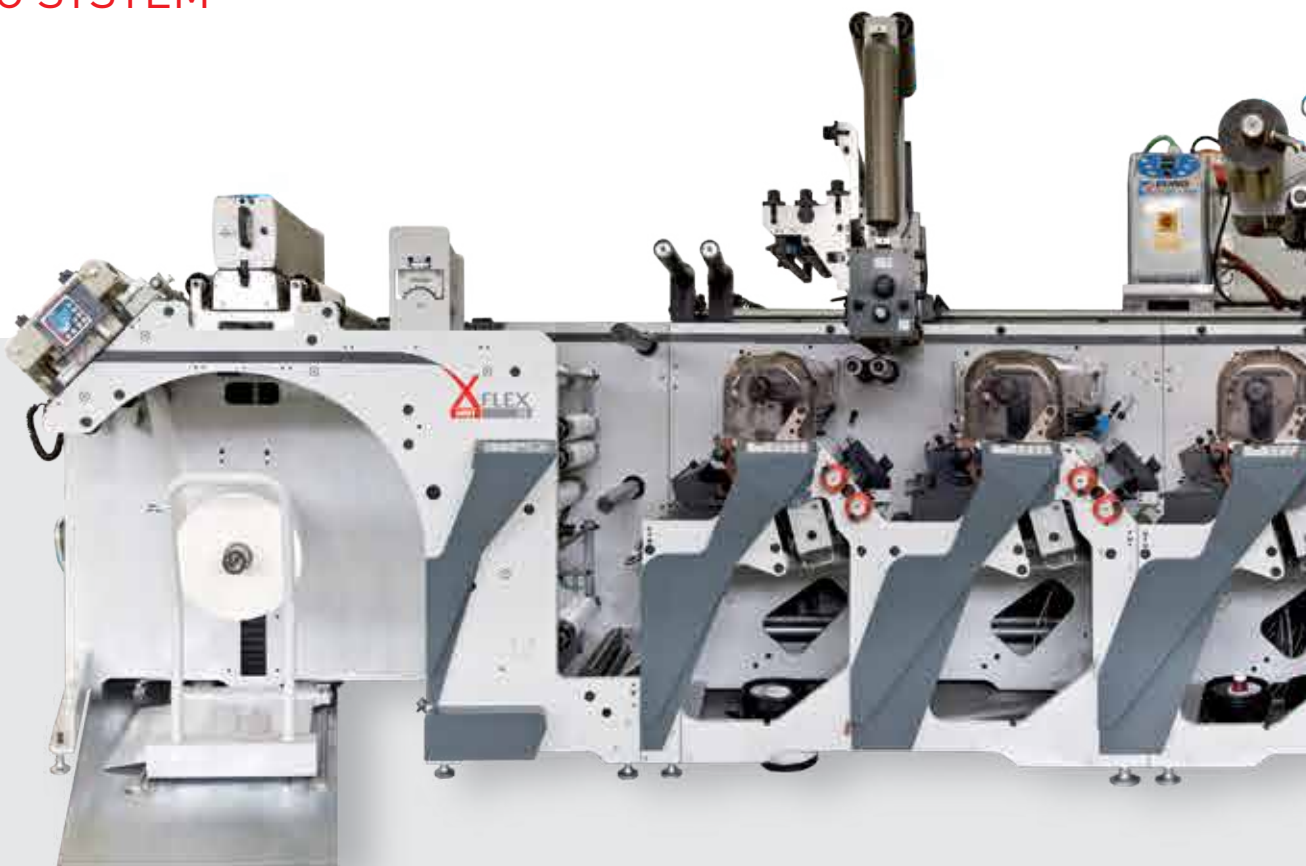**VISION-1 REGISTER CONTROL**

EASY SLEEVE CHANGE

HOT AIR DRYING UNIT

MONOTWIN-CUT DIE-CUTTING STATION
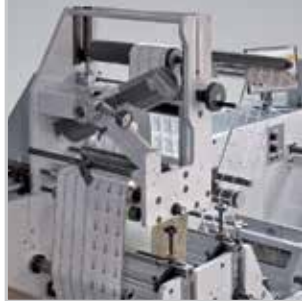

THE BENCHMARK
PRINTING SYSTEM

XFlex X6 Specifications

	340	430	530
Max speed	200 m/min	200 m/min	200 m/min
Unwinding roll diameter	1000 mm (40'')	1000 mm (40'')	1000 mm (40'')
Web width	340 mm (13'' 3/8)	430 mm (17'')	530 mm (20'' 7/8)
Print width	330 mm (13'')	420 mm (16,5'')	520 mm (20'' 1/2)
Infeed / outfeed	servo driven		
Printing axes	independent direct driven motor, gearless technology		
Cross registration	servo, +/- 5 mm		
Longitudinal regulation of print	360°		
Intelligent automatic pre-register	Vision-1 (optional)		
Print repeat (infinitely variable)	11,5''- 25'' (292-635 mm)		
Printing plates technology	plates mounted on Sleeves		
Anilox roll cylinder	gearless and lightweight		
Register control	integrated (optional)		
Quick ink change system	instant opening, using lightweight ink pans		
AVAILABLE PRINTING TECHNOLOGIES			
Flexo UV	11,5''- 25''	11,5''- 25''	11,5''- 25''
Flexo Water Base	11,5''- 25''	11,5''- 25''	11,5''- 25''
Offset (Sleeve)	14''-25''	14''-25''	14''-25''
Rotary Silk-screen (interchangeable cassette)	12''-25'' 2/8	12''-25'' 2/8	16''-25'' 2/8
Rotogravure	12''- 25''	12''- 25''	12''- 25''
Turning bar	•	•	•
Print on adhesive	•	•	•
Hot-Air (Dryer on interchangeable position)	•	•	•
FINISHING, WITH MOVABLE ELEMENTS			
Overhead rail system, for easy press reconfiguration	•	•	•
Cold Foil (sliding on rail)	•	•	•
Hot Foil (sliding on rail)	•	•	•
UV Lamination Unit (sliding on rail)	•	•	•
Delam/relam Unit (sliding on rail)	•	•	•
Web Turn bar (sliding on rail)	•	•	•
Peel & Seal Unit	•	•	•
CONVERTING			
Die-cutting section	Max 25"	Max 25"	Max 25"
Rock'n'Roll matrix stripping unit	760 mm (30")	760 mm (30")	760 mm (30")
Monotwin-Cut	•	•	
SUBSTRATES			
Film from 12 microns	•	•	•
Unsupported paper	•	•	•
PS material	•	•	•
Carton	•	•	•
OTHER TECHNICAL INFORMATION			
Rewinders diameter	2 x 760 mm or 1 x 1000 mm		
Rewinders	independent motor, taper tension		

OMET reserves the right to change machine specifications at any time

What's special in XFlex X6

OFFSET (SLEEVE) UNIT

PEEL & SEAL UNIT MULTI-LAYER LABELS

ROCK'N'ROLL MATRIX STRIPPING UNIT

HOT FOIL UNIT ON RAIL

OPERATOR-FRIENDLY

All press operations and the whole machine ergonomics have been designed to facilitate the printers' work. XFlex X6 offers maximum reliability and security promoting rapid and effortless maneuvers.

- Fully removable inking cassettes and light ink pans
- Ergonomic design for easy access to all functions
- Customer-friendly and intuitive tool-less adjustments
- Automatic set-up and pre-registration

A VERY SHORT WEB PATH

- Much reduced set-up waste
- Ease of re-webbing in case of material brake thanks to the pivoting UV-cassettes

ORIGINAL CONCEPT OF GEARLESS/SHAFTLESS FLEXO PRINT UNIT

With integrated impression cylinder and chill drum

- Improved print quality
- Fewer mechanical parts and less inertia offer advantages in register control during the acceleration and deceleration phases
- Faster in achieving the perfect registration
- Optimized tension control for printing on plastic films
- Free from gear marking thanks to Direct-Drive technology (no use of gearboxes, less noise, less friction, less wear)

GEARLESS ANILOX ROLL

- Reduced tooling costs
- Easy set-up and cleaning
- Light tools for easy handling

FULLY INTERCHANGEABLE OPERATIONS

Hot Foil, Cold Foil, in-line Lamination, web turn bar, print on adhesive stations slide on rail for easy positioning anywhere along the press. The press is reconfigured within seconds!

- Flexo and Silk-screen printing on interchangeable cassette
- Different finishing solutions with extractable die-cutting cassette
- Light and deep embossing
- Independently servo-driven die-cutting section allowing integrated pre-registration

ADVANCED TECHNOLOGY SUPPORTING EASY SLEEVES CHANGE

- Lightweight printing sleeves
- High precision and maximum stability eliminate vibration and reduce interventions for maintenance
- Possibility of pre-registered automatic settings

REDUCED INK QUANTITY REQUIREMENT TO START PRINTING

- Valuable when printing with special inks
- Can print with a minimum of 40 grams of ink

INNOVATIVE CHAMBER DOCTOR BLADE FOR WATER-BASED INKS

- High-speed production
- Reduced consumption of ink when printing long runs

COMBINATION OF DRYING AND CURING SYSTEMS

- The possible combination of UV curing, IR and Hot Air dryers allow the use of any ink type (water-based or UV)
- Cold UV reflectors involving low power consumption

INTEGRATED FULLY AUTOMATIC VISION-1 SYSTEM

For pre-register and automatic register control during production

- Low waste during set-up
- No operator intervention necessary at any stage of the registration process
- Operator-independent performance
- Automatic start by the push of a button!

REDUCED NUMBER OF STOPS FOR ROLL CHANGE

- The unwinder and rewinder share the same reel capacity
- 40'' - 40'' - 40'' geometry standard

FURTHER INNOVATIVE FEATURES

- Metric printing, via slipping function or via software selection with metric sleeves
- Offset unit equipped with sleeves
- Servo-driven die-cutting for high-speed converting
- One magnetic plate and one magnetic cylinder for all die-cutting sizes (OMET Monotwin-Cut)
- Advanced design of matrix stripping unit (OMET Rock'n'Roll system)

TRANSPARENT FACTORY

Machine Management System (MMS)

- Transparent Factory creates a bridge between the press and your informative system
- Easy link to your intranet and ERP
- Transfer of all production data from the press
- Load of job specs/recipes from PC

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