



QUALITY
THROUGH SIMPLICITY



X FLEX
OMET X4

XFlex X4 Specifications

	370	440
Max speed	190 m/min	190 m/min
Unwinding roll diameter	1000 mm (40")	1000 mm (40")
Web width	370 mm (14" 1/2)	440 mm (17" 2/8)
Print width	365 mm (14" 3/8)	430 mm (16" 7/8)
Infeed	servo driven	servo driven
Printing cylinder	with helical gear	with helical gear
Cross print registration (CD)	servo	servo
Longitudinal print registration (MD)	servo	servo
Automatic pre-register print/die cutting	integrated	integrated
Print repeat	5"1/2-24" (139,7 - 609,6 mm)	6" (152,4 - 609,6 mm)
Printing plates technology	plates mounted on Print Cylinder	plates mounted on Print Cylinder
Anilox roll cylinder	gearless and lightweight	gearless and lightweight
Register control, cross and longitudinal	automatic	automatic
Automatic CD and MD register system	Vision-1	Vision-1
Quick ink change system	instant opening, using lightweight ink pans	instant opening, using lightweight ink pans
AVAILABLE PRINTING TECHNOLOGIES		
Flexo UV (2 servo-motors for each printing unit)	5"1/2 - 24"	6" - 24"
Flexo Water Base (2 servo-motors for each printing unit)	5"1/2 - 24"	6" - 24"
Rotary Silk-screen (interchangeable cassette)	12" - 24"	12" - 24"
Turning bar	•	•
Print on adhesive	•	•
Hot-Air (dryer on interchangeable position)	•	•
FINISHING, WITH MOVABLE ELEMENTS		
Overhead rail system, for easy press reconfiguration	•	•
Cold Foil - UV Lamination (sliding on rail)	•	•
Movable Hot Foil (sliding on rail)	•	•
Delam/relam module (sliding on rail)	•	•
Web Turn bar (sliding on rail)	•	•
CONVERTING		
Driven die-cutting section	Max 24"	Max 24"
Rock'n'Roll matrix stripping unit	760 mm (30")	760 mm (30")
SUBSTRATES		
Film from 12 microns	•	•
Unsupported paper	•	•
PS material	•	•
Carton	•	•
OTHER TECHNICAL INFORMATION		
UV power	5,6 kW - 140 W/cm	7,6 kW - 140 W/cm
Rewinder diameter	1 x 760 mm STD (1 x 1000 mm optional)	1 x 760 mm STD (1 x 1000 mm optional)
Second rewinder	1 x 760 mm	1 x 760 mm



A new development within the XFlex family marks the introduction of servo-motors on a low-budget press using conventional printing cylinders.

XFlex X4 by OMET shares most of the features of the elder sister X6 including a technological supply of all respect.

With twin servo-motors on each print unit, integrated pre-register and register control system Vision-1, ergonomics and versatility of use, XFlex X4 is the best performer in its class. Shorter web path, compared to X6, limited footprint, wide accessibility to the press for changes and regulations, and overall consistent printing results, satisfy all converters who still rely on print cylinders.

Any job changeover is easily and rapidly performed thanks to a special 'easy change' configuration, which guarantees lower waste levels, faster set-up and reduced run-to-register time.

With the new XFlex X4 it is possible to obtain highly consistent quality and superior production performance in short runs through simplicity and intuitiveness.

VISION-1 REGISTER CONTROL



INNOVATIVE FLEXO UNIT W/PRINTING CYLINDERS



INTERCHANGEABLE FLEXO/SCREEN UNIT



HOT FOIL UNIT



**TRADITION
REVISITED**



WEB TURN BAR



COLD FOIL UNIT



DIE-CUTTING UNIT



ROCK'N'ROLL MATRIX STRIPPING REWINDER



PEEL&SEAL UNIT



DOUBLE UNWINDER



What's special in XFlex X4

ALL THE BENEFITS OF SERVO CONTROLS

It is quite uncommon to see advanced controls on a low-budget press

- Automatic pre- register and register control system Vision-1 by OMET
- Reduced waste during set-up and automatic settings at an attractive price range

OPERATOR-FRIENDLY

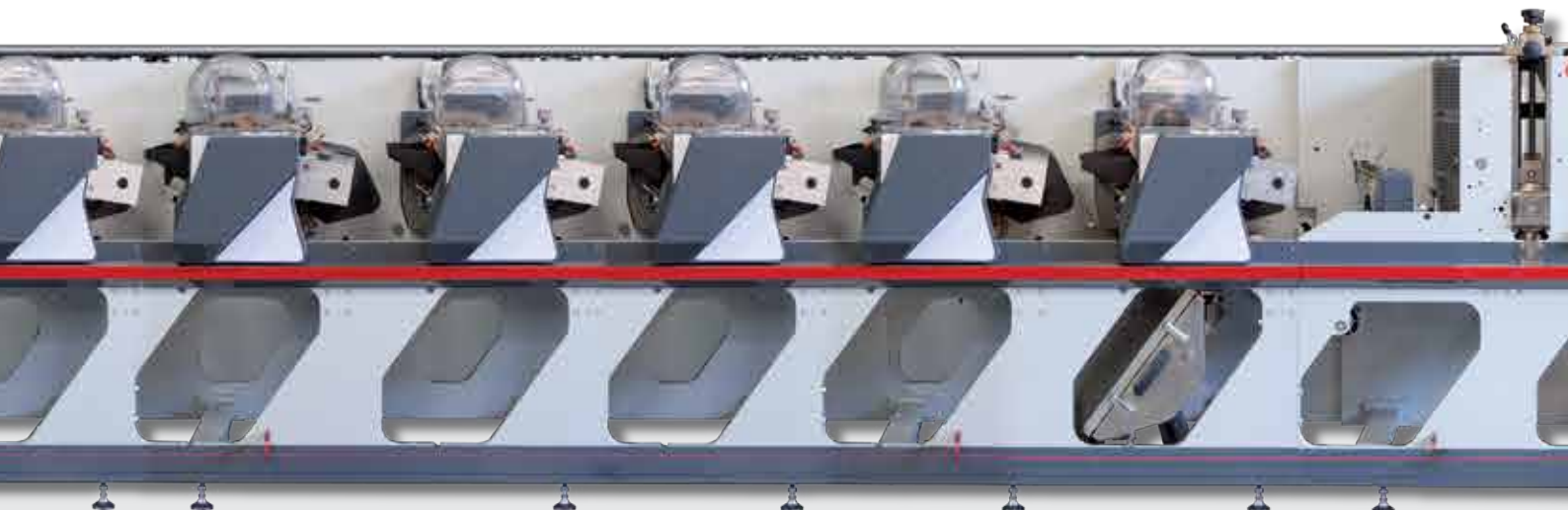
All press operations have been designed to facilitate the printers' work. XFlex X4 offers maximum security, ease of use and accessibility

- Ease of access to the print unit
- A machine that fully and truly complies with current safety regulations
- Extremely intuitive touch-screen interface
- Ease of use and fast job change in less than 30 seconds thanks to the extractable and interchangeable cassettes
- Setting and storing of all job parameters via a very friendly-use software

AN EVEN SHORTER WEB PATH

Successfully proven on XFlex X6. Enhanced here

- Vastly reduced level of waste in the start-up phase
- Innovative concept of Flexo print unit with UV lamps installed directly on the chilled impression cylinder



GEARLESS ANILOX ROLL

- Reduced weight and cost of tooling
- Easy set-up

INCREASED PRODUCTIVITY WITH THE NEW CONVERTING SECTION

A completely re-designed converting section in which the die-cutters may automatically rise to disengage the drive

- Ergonomic access for adjustment with longitudinal cutting unit placed in a vertical position
- Improved performance in terms of speed and safety with new waste removal unit
- Thick plastic film printable in total safety thanks to the special rewind units with independent tension control

QUICK INK CHANGE SYSTEM

- Easy to load and replace on the press
- No adjustments to the doctor blade pressure, which has been optimized for tolerance in the pre-load stage
- One-point adjustment concept: no operators' movement from one side to the other of the unit: all the ink and print pressure adjustments are located on the operator's side

REDUCED INK QUANTITY REQUIREMENT TO START PRINTING

- Valuable when printing with special inks
- The press can print using very low volumes of ink: less than a glass is needed to start up!

WIDE RANGE OF PRINT FORMATS

- Min. 5"1/2 Max. 24"
- Photopolymer cost savings, especially on short runs, using the smallest formats

INCREDIBLE REGISTER PRECISION

XFlex X4 is equipped with Vision-1 register control system and advance pre-register functions involving substantial time and waste savings

- Full automatic MD and CD registration by the push of a button
- Operator-independent performance

A REVOLUTIONARY CROSS PRINTING REGISTRATION ADJUSTMENT

Flexo print unit with a unique feature in its kind

- Print side adjustment does neither cause any side movement to the material nor alteration of the longitudinal register
- Elimination of register waste, which is normally generated during this operation

FLEXIBLE CONFIGURATIONS

Combines UV Flexo, water-based Flexo, UV Silk-screen, Cold and Hot Foil, UV Lamination

- Additional units are located on sliding rails and positioned anywhere along the press like Cold Foil, web turn bars, print on adhesive, in-line Lamination
- The Silk-screen unit can be inserted onto any print position in place of a Flexo unit
- Delivery can be roll-to-roll, roll-to-sheet, roll-to-blank and folded products
- Production of special products, such as booklet labels

FURTHER INNOVATIVE FEATURES

- One magnetic plate and one magnetic cylinder for all die-cutting sizes (Monotwin Cut by OMET)
- Advanced design of matrix stripping rewinding unit (Rock'n'Roll by OMET)





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