

XFlex X4 Specification

	370
Max Speed	190 m/min
Unwinding roll diameter	1000 mm [40"]
Web width	370 mm [14" 1/2]
Print width	365 mm
Infeed	servo driven
Printing Cylinder	with helical gear
Cross print registration (CD)	servo
Longitudinal print registration (MD)	servo
Automatic pre-register print/die cutting	integrated
Print repeat	5"1/2-24" [139,7 - 609,6 mm]
Printing plates technology	plates mounted on Print Cylinder
Anilox roll Cylinder	gearless and light weight
Register control, cross and longitudinal	automatic
Automatic CD and MD register system	VISION 1
Quick Ink Change System	instant opening, using light weight ink pans
AVAILABLE PRINTING TECHNOLOGIES	
Flexo UV [2 servo-motors for each printing unit]	5"1/2 - 24"
Flexo Water Base [2 servo-motors for each printing unit]	5"1/2 - 24"
Rotary screen [interchangeable cassette]	12" - 24"
Turning bar	•
Print on adhesive	•
Hot-Air [Dryer 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"
New Matrix Rewinder with automatic tension control	760 mm [30"]
SUBSTRATES	
Film from 12 microns	•
Unsupported paper	•
PS material	•
Carton	•
OTHER TECHNICAL INFORMATION	
UV power	7,5 kW - 180 W/cm
Rewinder diameter	1 x 760 mm STD [1 x 1000 mm optional]
Second rewinder	1 x 760 mm

OMET reserves the right to change machine specifications at any time



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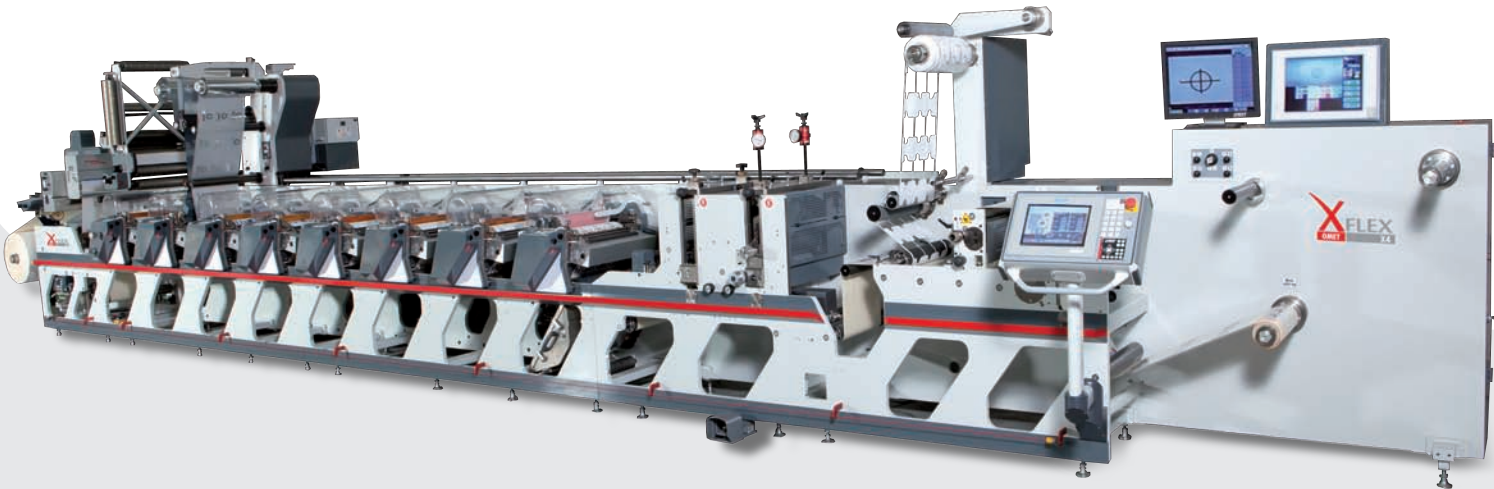
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PRINTING
YOUR WAY



A new development within the X-Flex family.

X4 is designed to satisfy all customers using the printing cylinder. With twin servo-motors on each printing unit, the X4 shares the main features of the larger X6, using conventional printing cylinders.

An even shorter web path and an innovative electronic register control system make this new model the 'best performer' in its class. The brand new 'Easy Change' system is unique in the market, and guarantees faster set-up and run-to-register times than any comparable printing press.

OMET is introducing these major changes to the market, so that printers using the new X4 will be able to obtain higher quality and superior production performance than any of their competitors.

The new X4 has been designed and built with one aim: to make it easier for the operator to produce top quality work on all kinds of material.



What's NEW with XFlex X4

ALL THE BENEFITS OF A SERVO MACHINE

The press is equipped with an automatic pre-register device and automatic register control with Vision-1 system. This is the first time that such automatic control has been integrated into this category of printing presses.

- Reduced waste during set up at a more attractive price range

AN INCREDIBLE REGISTER PRECISION

The print register precision of XFlex X4 is similar to that on a top-level machine, even if the new model stay in a lower range of price. A new revolutionary concept of printing who meets the need of money saving of all world printers

- The most revolutionary register system on the market
- Full automatic MD and CD registration by the press of a button: operator independent performance

REDUCED INK QUANTITY REQUIREMENT TO START PRINTING

- Unit can print using a very low volume of ink: less than a glass is need to start 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

THE OPERATOR EYE

All printing operations have been studied from the operator's point of view, following the pioneer of our sector: Omet XFlex X6. Easy to use, ergonomic and safety in all operation

- No costing time or restricting access to print unit
- A machine that fully and truly complies with current safety regulations
- Extremely intuitive touch-screen interface
- Easy to use and fast job changes thanks to its extractable and interchangeable drawers - less than 30 seconds.
- Setting and storing of all job parameters with a very friendly-use software

EXTREMELY SHORT WEB PATH

Flexo print unit of Xflex X4 shares some of the best features of XFlex X6, which has become a world leading benchmark in narrow web printing

- Vastly reduced level of waste in start-up phase thanks to the short web path
- New concept of flexo print unit with UV lamps installed directly on the chilled impression cylinder

A VERY EFFICIENT INKING SYSTEM

- Easy to load and replace on the press
- No adjustment to the doctor blade pressure, which has been optimised 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

ANILOX ROLL CHANGES WITHOUT GEARS

- Reduced weight and cost of tooling
- Easy set up
- No risk of damage to the gear itself

A REVOLUTIONARY CROSS PRINTING REGISTRATION ADJUSTMENT

Flexo print unit has one more 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 in this operation

FLEXIBLE CONFIGURATIONS

XFlex X4 can make combined prints such as UV flexo, water-base flexo, UV silk-screen, cold and hot foil application, UV lamination

- Additional units are located on sliding rails, for example cold foil, turn bars, printing on adhesive, and lamination, all of which can be positioned in any sequence
- Silk-Screen unit can be inserted into any of the print positions, in place of a flexo unit
- Delivery can be on roll-to-roll, roll to sheet, roll to blank and folded products
- Production of special products, such as booklet labels

WIDE RANGE OF PRINT FORMATS

- From a min. 5"1/2 to max. 24"
- Photopolymer costs saving, especially on short runs, using the smallest formats

A WIND OF CHANGE

