



X-flex

The New Benchmark Printing System

Innovation With Passion



The *X-Flex*

This totally new machine concept is the result of Omet's decades of experience.

The X-Flex is more than simply a production tool, it is an extension to the printer's brain.

Its design and simplicity of use, as well as a long list of innovations, make this press the ideal solution to label printers' problems.

From the simplest unsupported filmic label and up to the most sophisticated multi layer label, X-Flex delivers the minimum amount of waste with the faster set up time on the market.

Printing has never been so simple, so fast, and so effective!

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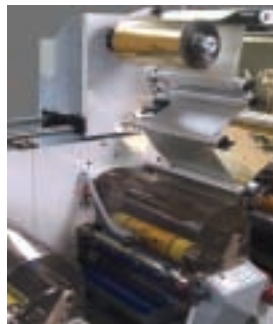
New concept flexo print unit



Printing sleeve change without adjustment



Unwinder



Cold foil slides above all priming units



Independently servo driven die cutting section

What's NEW with X-FLEX

The 'Operator Eye'

All printing operations have been studied from the operator's point of view. Easy, light and fast machine functions give the maximum security and reliability

Fully removable inking cassettes and ink pans

Ergonomic design for easy access and use of all functions

Customer friendly intuitive adjustments

Automatic set up and pre registration

Magnetic locking of main components

The shortest web path on the market, thanks to a new concept of print unit design

Zero set up waste

New concept of flexo print unit with integrated impression cylinder and chill drum

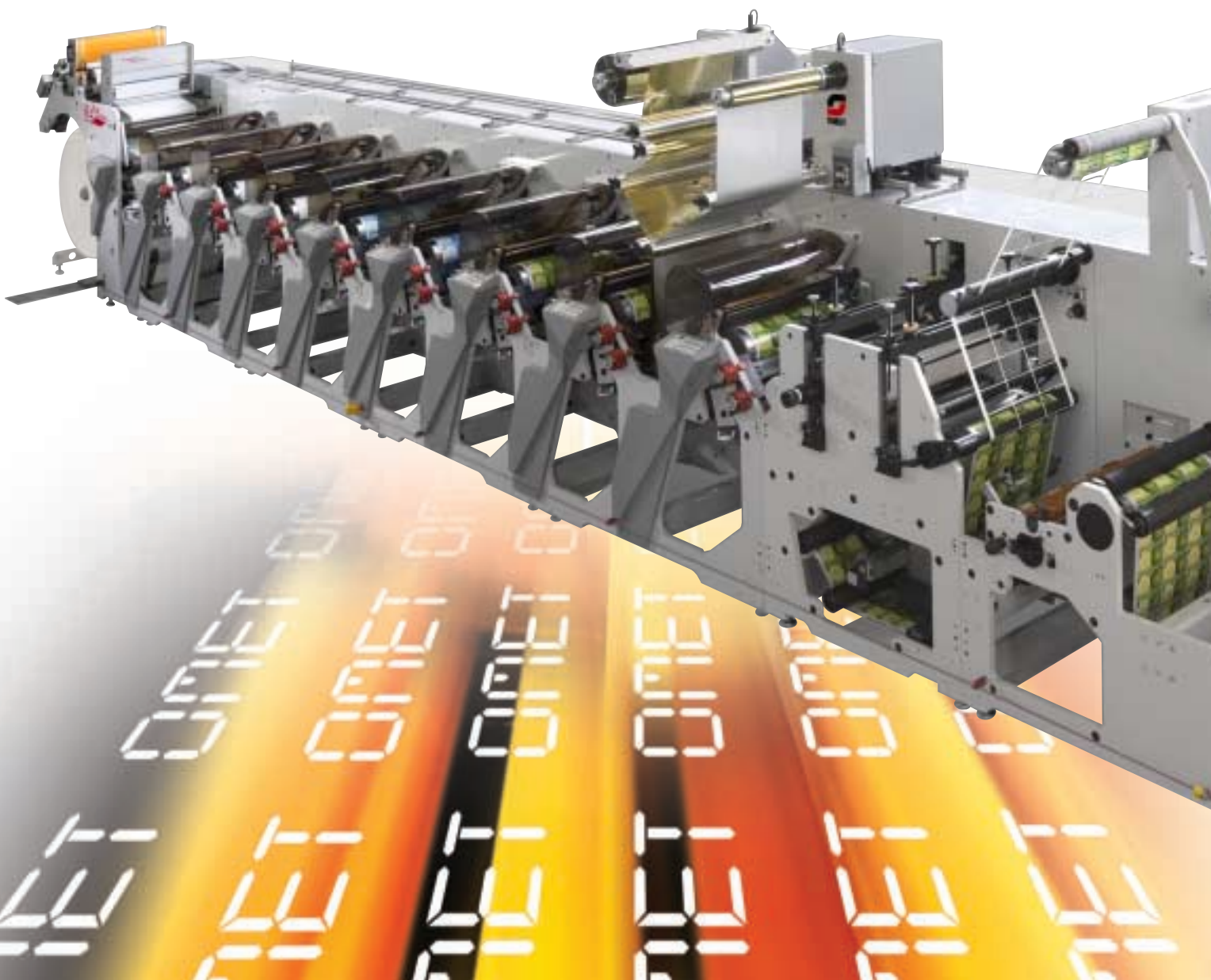
Improved print quality

Fewer mechanical parts and less inertia offer advantages in register control during acceleration and deceleration

Faster to achieve perfect registration

Optimised tension control for printing on plastic film

Integrated fully automatic Vision-1 System for pre register and auto control during production



Anilox roll changes without gears

Reduced cost of tooling

Easy set up

Doctor blade with automatic pressure adjustment

Longer lasting

Creates a new quality standard and easy to use for everyone

Patent pending unique technology to allow printing sleeve change without adjustments

High precision and maximum stability eliminates vibration and reduces maintenance

Possibility of new fully motorised print pressure control on flexo printing units, servo driven from touch screen

Possibility of pre-registered automatic settings

Reduced ink quantity requirement to start printing

Valuable when printing special inks

Innovative chamber doctor blade system for water based inks

High speed production

Movable UV cassette for easy web feed

Combination of UV curing, IR and hot air dryers for all types of inks

New design for fully interchangeable operations (hot foil, cold foil, lamination, turning bar and print on adhesive) sliding above all printing units. Flexo and screen printing on interchangeable cassette

Independently servo driven die cutting section allows integrated pre registration

Possibility of different finishing solutions with removable die cutting cassette

Same reel capacity of unwinder and rewinder reduces number of stops for roll changes

Innovative Features

Metric printing, via slipping function

OHRS - Overhead Rail System suitable for movable cold foil, lamination, web turning

Rotary die cutting station, independently driven

Web inspection video camera, suitable for imperial and metric printing



Rewinder

X-Flex Specification

	340	430
Max Speed	200 m/min	200 m/min
Unwinding roll diameter	1000 mm	1000 mm
Paper width	340 mm	430 mm
Print width	330 mm	420 mm
Infeed	independent motor	
Printing mandrel drive	gearless, independent motor	
Transversal adjustment of motorised print	5 right, 5 left	
Longitudinal adjustment of print	360°	
Automatic pre register, transversal & longitudinal	VISION System	
Print length	12"-25"	
Intermedial print length	infinitely variables	
Printing plates	sleeve changes on machine	
Anilox roll	without gears	
Register control	integrated (optional)	
Removable inking cassette	very easy without use of trolley	
Available Printing Technologies		
Flexo UV	12"-25"	12"-25"
Flexo Water Base	25"	12"-25"
Flexo Solvent Base	25"	12"-25"
Rotary screen (interchangeable cassette)	12"-18"	12"-18"
Rotogravure	12"-25"	12"-25"
Inline adhesive application (hot-melt)	X	X
Turning bar	X	X
Print on adhesive	X	
Finishing		
Overhead Rail System	X	X
Cold Foil (mobile on rails)	X	X
Hot Foil	X	X
Lamination	X	X
Converting		
Label die cutting	Max 25"	Max 25"
Printing Material		
From 12 micron film to 250 micron carton	X	X
Other Technical Information		
UV power	160, 200, 240 W/cm	
Rewinding roll diameter	2 x 760 mm or 1 x 1000 mm	
Rewinder	independent motor, taper tension, constant tension	
Power requirements	380 W 50/60	

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



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