KFLEX

OMET

CHOOSE THE PERFORMANCE OF **KFLEX** VERSATILE OPERATOR-FRIENDLY SOLUTION

PRODUCTIVITY · FLEXIBILITY · TECHNOLOGY

OPEN YOUR FUTURE

OMET

KFLEX
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THE FLEXO MASTER KEY

THE KEY TO YOUR SUCCESS

The new **OMET KFlex** introduces a revolutionary way to conceive a flexo platform. Almost 60 years of experience have inspired a new **operator-friendly design**, maintaining all the strong points of the current OMET presses, which makes the the KFlex the **most flexible and easy-to-use** flexo platform in the industry.

OMET KFlex combines unprecedented flexibility with state-of-the-art technology to provide maximum performance and outstanding printing quality. The revolutionary SWITCH system allows every printer to adapt the press configuration to all production needs, today and in the future, providing always a solution in terms of **productivity and quality**.

TARGET MARKETS

WINE & SPIRITS

FOOD & BEVERAGE

HOUSEHOLD

INDUSTRIAL

HEALTHCARE

COSMETICS

JUST THE PRINTING PLATFORM YOU WERE WAITING FOR

OMET KFlex is a **multitasking platform** 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 applications in **one single pass** to satisfy the requests of different target markets.

PRINTABLE MATERIALS

- PAPER AND FILM FACE STOCK
- UNSUPPORTED PAPER
- UNSUPPORTED FILM
- LIGHT CARTON
- ALUMINUM
- LAMINATES

END-USE APPLICATIONS

- SELF-ADHESIVE LABELS
- WET-GLUE LABELS
- MULTI-LAYER LABELS
- WRAPAROUND LABELS
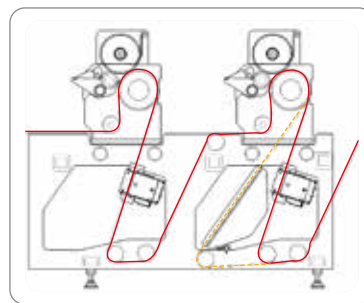- SHRINK SLEEVES
- LIDS
- TAGS & TICKETS
- IML
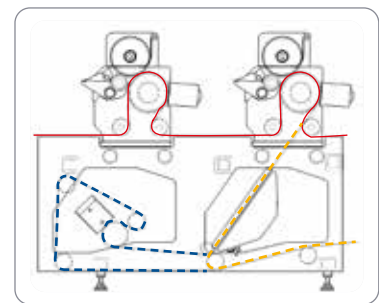- LAMITUBE

THE K FLEXO CONCEPT

OPERATOR-ORIENTED DESIGN

Thanks to a new operator-oriented design, the KFlex provides the highest **ease of use and intuitiveness**, to support daily operations and improve the uptime of the press. Designed for **cost-effective operations**, the KFlex offers high printing quality results and the reliability of OMET advanced technology and expertise.

UV on the web
UV/UV Led + Hot Air

UV on chill drum
UV/UV Led + Hot Air + Extendend path for UV coating

INDEPENDENT FLEXO CASSETTE

A complete restyling and a modern interface with touchpad controls makes the flexo unit even more **user-friendly, ergonomic and intuitive**.
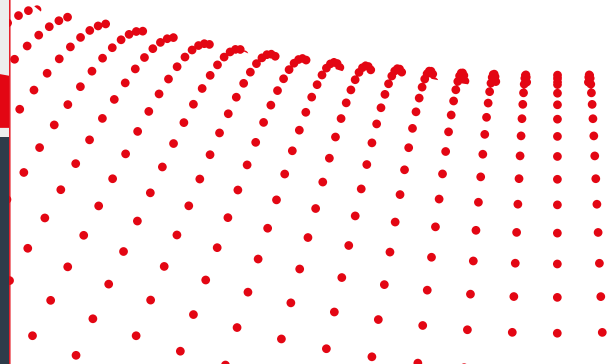
DUAL SERVO PRINTING

The integration of next-generation Servo Drives enables automatic register adjustment and control, as well as **double pass and slipping operations**.

SHORT WEB PATH

The extremely short web path between one flexo cassette and the other **limits the level of waste** during the start-up.

SPECIAL FUNCTIONALITIES

The flexibility of this multi-functional platform allows different web path combinations to implement **UV or water-base coatings** and **reverse printing capability**.

MAIN FEATURES

SMART OPERABILITY

SWITCH SYSTEM
The exclusive SWITCH system improves the flexibility of the press configuration enabling the **interchangeability between printing and converting units** through easy and quick handling operations. This valuable feature allows quick reaction to productive needs as well as **process optimization** on the entire line.

ECDC DIE-CUT
The Easy-Change Die-Cutting system is a compact and ergonomic die-cutting unit with "**Easy-Change" technology** allowing for quick and easy handling of cylinders and flexible dies, with **no need for any lifting device**. Thanks to its sliding system all tools can be prepared off-line and then easily slid into the die station, in a **safe and effortles way**.

USER-FRIENDLY AUTOMATION

ON-THE-FLY PRE-REGISTER
OMET KFlex offers **peerless printing quality and register stability** thanks to its Dual Servo Flexo units able to perform automatic print-to-print and print-to-die cut on-the-fly pre-register adjustment with **no waste of time and material**, independently from the skills of the operator.

VISION - AUTOMATIC REGISTER ADJUSTMENT SYSTEM
OMET exclusive Color-to-Color **automatic register adjustment and control** based on a high-definition camera scanning system. It can control both machine and cross directions of each single printing unit **in real time** and get the machine ready to print in less than 1 minute, **generating nearly no waste and avoiding any possible human mistake**.

MULTI-PROCESS & ADDED VALUE

KFlex modular design allows to combined and implement in-line, with the maximum flexibility, different printing technologies, as well as special finishing applications and converting units, to always get to the final product in one single passage.

Cold foil & Lamination

Sliding unit for metallic effect applications and for UV of self-adhesive lamination.

Embossing

In-line system for raised or recessed relief images and designs.

Coating

Different extended web paths for UV or water-base varnish application.

Hot foil

Servo driven hot stamping system for special metallic effects. Sliding on rail or flatbed in-line station.

Peel&Seal

Special unit for the production of multi-layer labels, booklets and coupons, up to 3 layers and 7 printed faces.

Delam-Relam
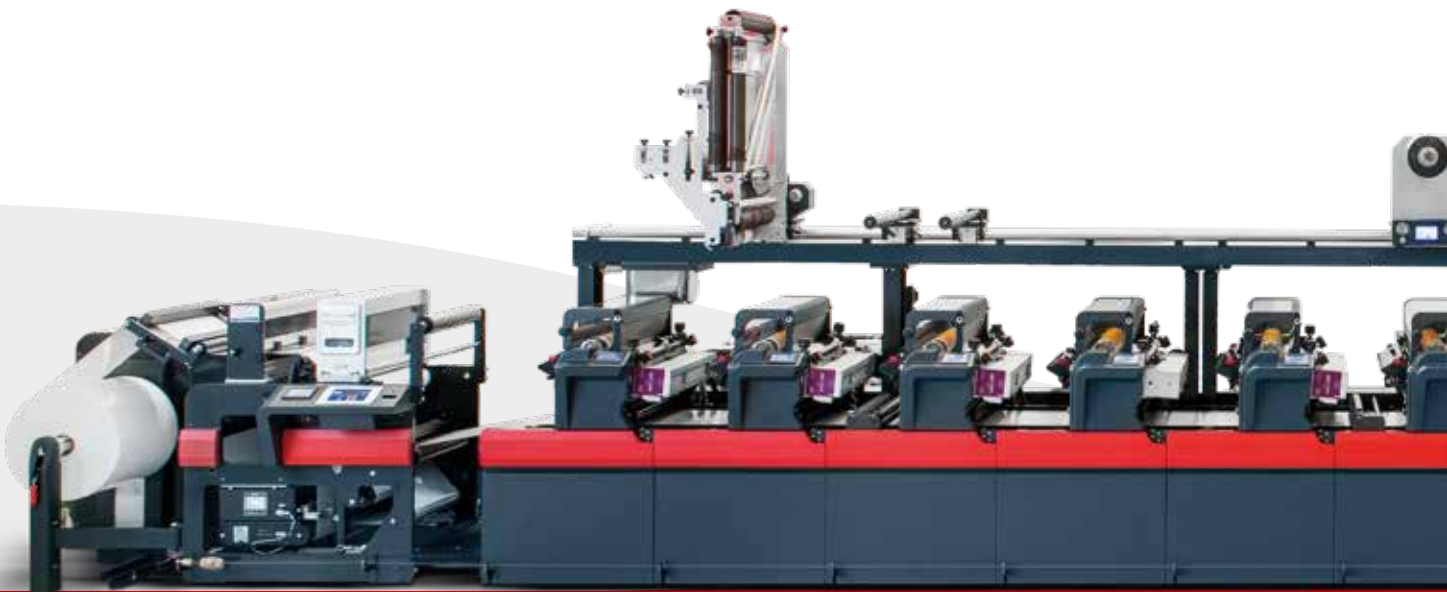
Modular system for printing on adhesive face, featuring web-turning bars for both back and front printing.

TECHNICAL SPECIFICATIONS

KFLEX

	430	530
Web width	430 mm (16 7/8")	530 mm (20 7/8")
Print width	420 mm (16,5")	520 mm (20,5")
Max. speed	200 m/min	
Unwinder (diameter)	1.000 mm	
Rewinder (diameter)	760 - 1.000 mm	
Infeed/Outfeed	Servo	
Printing transmission	Dual Servo	
Flexo printing technology	Plate cylinders	
Automatic Pre-register adjustment	√	
Automatic Register control	√	
VISION-Automatic register adjustment	(Opt)	
AVAILABLE PRINTING TECHNOLOGIES		
UV/UV LED - Water-base	6" - 24"	8" - 24"
Rotary Silk-Screen	12" - 25"	16" - 25"
AVAILABLE DIE-CUTTING UNITS		
ECDC Easy-Change Die-Cut	12" - 24"	16" - 24"
Cassette-style die-cutting/embossing	12" - 25"	16" - 25"

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

INNOVATION WITH PASSION

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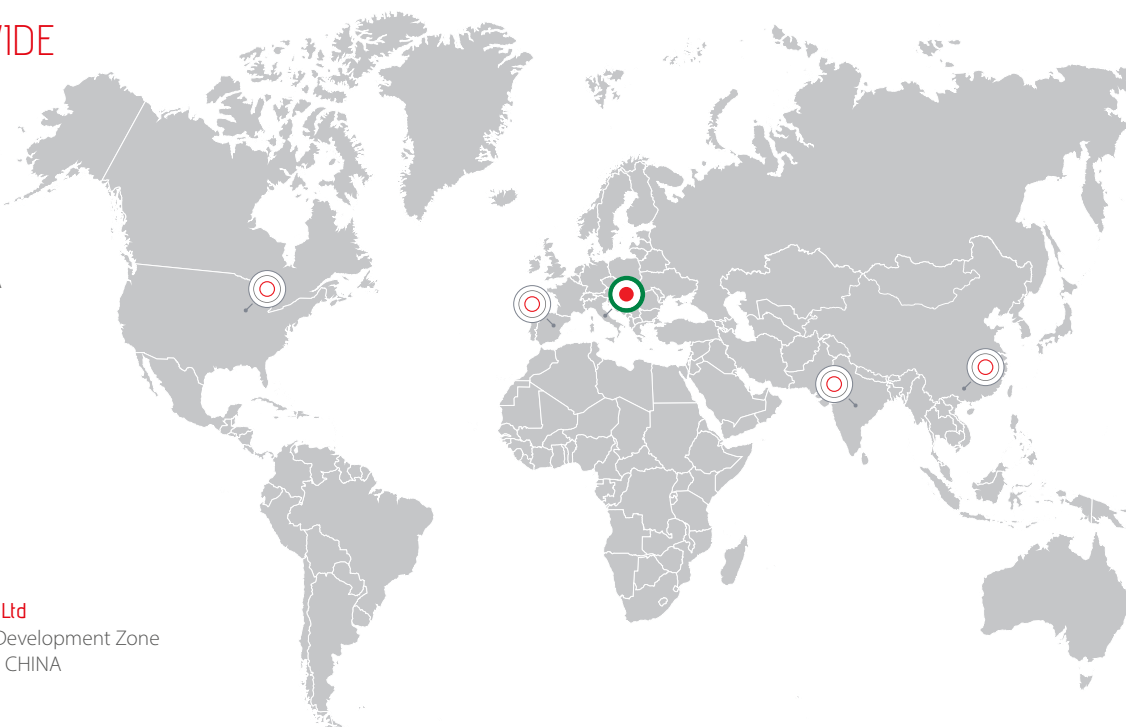sales@ometamericasinc.com
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