

**INNOVATION
WITH
PASSION**



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THE ULTIMATE PRINTING PLATFORM



OPEN YOUR FUTURE

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

OMET KFlex platform combines **unprecedented flexibility** with state-of-the-art technology to provide maximum performance and **outstanding printing quality**, with 2 main models meant to satisfy any market demand: the **K4** and **K6**.



EXTREME FLEXIBILITY, SMART OPERABILITY

THE KEY TO YOUR SUCCESS



**MASTERS
IN MOTION**
Tension Control Technology

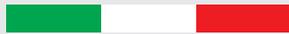
ECDC
OMET
Easy-Change Die-Cut



Material
Waste



Time
Saving



Made in Italy
Technology

MULTIFUNCTIONAL PLATFORM



END-USE APPLICATIONS



SWITCH
Interchangeability
system

**OPERATOR-ORIENTED
DESIGN**



K4

> THE K4 FLEXO CONCEPT

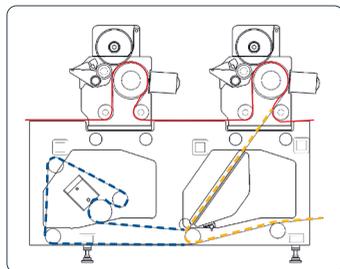
Thanks to a new operator-oriented design, the **K4** provides the highest **ease of use and intuitiveness**, to support daily operations and improve the uptime of the press.



UV/water-based coating



Soft Touch application



> PLATE CYLINDER FLEXO CASSETTE

User-friendly, ergonomic and intuitive design

> SHORT WEB PATH

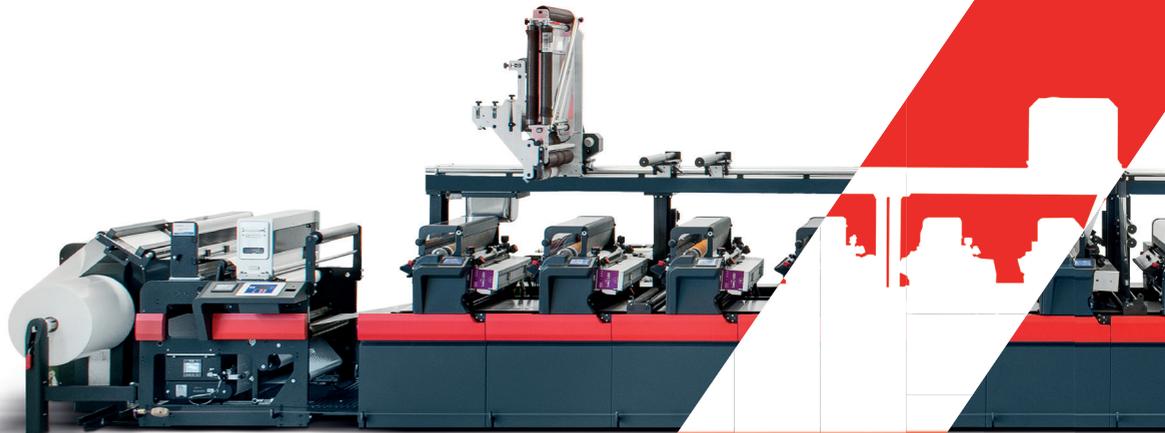
Limited level of waste and cost-effective operations

> DUAL SERVO PRINTING

High printing quality results and reliability

> REVERSE PRINTING

Backside printing without turn bars



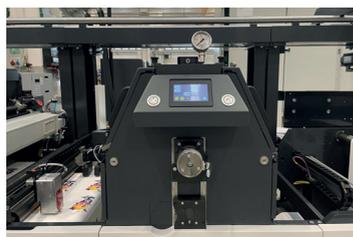
> YOUR SMART CONVERTING CHOICE

No matter the complexity or the run length, the KFlex has always the right converting **solution to satisfy any production requirement.**



ECDC Easy-Change Die-Cut

-  Safe and effortless operations
-  Die-Cut changeover in less than 1 minute
-  Perfect die alignment through iLight system



SWING Semi-Rotary Die-Cut

-  1 magnetic cylinder for all repeats
-  Automatic plate changeover
-  Cost effective with every run length



CHECK IT OUT!
SPECIAL CONVERTING
COMBINATION



K6

> THE K6 FLEXO CONCEPT

The key strength of the **K6** is the new flexo station, conceived to redefine the way of printing with an **automatic process**, from start-up to job changeover, setting **unmatchable quality standards** in label and packaging printing.

AutoMate Technology



Smart HMI



Hands-Free Cover Control



Operational Multi-Color Display

- > **SLEEVE FLEXO CASSETTE**
OMET gearless technology to reach the purest quality
- > **DIRECT DRIVE TECHNOLOGY**
The best register stability and printing results in any operating condition
- > **AUTOMATIC PRESSURE ADJUSTMENT**
Perfect repeatability and automatic adaptation at every change of speed repeat and substrate



› MULTI-PROCESS & ADDED VALUE

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



COLD FOIL SAVER

- 💡 Save 50% of foil
- 👍 Reduce wastes and costs
- ⚡ Combine productivity and environmental concern
- ⚙️ Double the production with the same quantity of foil

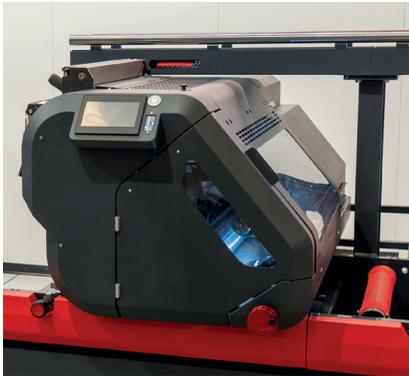


MORE ADDED VALUE

MULTILAMINATION
HOT FOIL
COLD FOIL
PEEL & SEAL
PRINT ON ADHESIVE
EMBOSSING
SPECIAL COATINGS

> OFFSET TECHNOLOGY

The **Offset printing unit** with interchangeable capability is the result of an innovative engineering design conceived to reach the **best print quality** with the **maximum operative efficiency**.



> EASY SLEEVE FORMAT CHANGE

High precision and repeatability at every repeat changeover

> SOLID DESIGN

Extreme stability at the highest speed with no vibrations and bouncing compensation

> SHARP PRINTING PRECISION

Improved color stability at high speeds



THE FIRST OFFSET UNIT EVER featuring:

- **Interchangeability** with printing and converting units
- **Easy sleeve format change**
- **Improved dampening calibration:** 4 inking rolls in contact with the plate
- **Improved ink grinding:** 5 servo-driven oscillating rolls

› 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**.



› BUSINESS CONTINUITY

Limit any possible downtime with off-line maintenance operations

› FUTURE-PROOF INVESTMENT

Quick reaction to everchanging productive needs

› QUICK PRODUCTION ADAPTABILITY

Process optimization of the entire line



INTERCHANGEABLE UNITS

FLEXO

OFFSET

ROTARY SILK SCREEN

ECDC DIE-CUT

CASSETTE-STYLE DIE-CUT / EMBOSING

> THE POWER OF AUTOMATION



OMET VISION SYSTEM

Exclusive **automatic register adjustment and control** of both longitudinal and lateral directions

> VISION Print & Cut

Die-cutting adjustment capability

> VISION*

Perform a repeatable adjustment with **no need for pre-register set-up** and regardless of operators skills, plate positioning and press configuration



OMET MULTIVISION SYSTEM

Multicamera screening system for color-to-color reading and **faster real-time adjustment**, generating **nearly no waste**

> MULTIVISION+

Minimal waste on the edges of the web thank to a new reading capability and **MCM technology**

PRINTING AND
CONVERTING
UNITS UNDER
CONTROL

UP TO
80%
MATERIAL
SAVING

OPERATOR
INDEPENDENT
ADJUSTMENT

REPEATABLE
SET UP TIME
& WASTE

> TECHNICAL FEATURES

	K4		K6	
	430	530	430	530
Web width	430 mm (17")	530 mm (21")	430 mm (17")	530 mm (21")
Print width	420 mm (16,5")	520 mm (20,5")	420 mm (16,5")	520 mm (20,5")
Max. speed	200 m/min		200 m/min	
Printing transmission	Dual Servo		Servo Direct-Drive	
Flexo printing technology	Plate cylinders		Sleeve	
Automatic Pre-register adjustment	●		●	
Automatic Register control	●		●	
Vision System	○		○	
Multivision System			○	
Automatic pressure adjustment			○	
	AVAILABLE PRINTING TECHNOLOGIES			
Flexo UV/UV LED - Water-based	6" - 24"	8" - 24"	(10") 12" - 25"	(10") 12" - 25"
Rotary Silk-Screen	12" - 25"	16" - 25"	12" - 25"	16" - 25"
Offset by Sleeve	14" - 25"		14" - 25"	
Digital Inkjet	○		○	
	AVAILABLE DIE-CUTTING UNITS			
ECDC Easy-Change Die-Cut	[10"] 12" - 25"	16" - 24"	[10"] 12" - 25"	16" - 24"
SWING - Semi-rotary Die Cut	10" - 25"	12" - 25"	10" - 25"	12" - 25"
Cassette-style die-cutting/embossing	12" - 25"	16" - 25"	12" - 25"	16" - 25"

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