



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**

Labels

Flexible Packaging

Folding Carton



**SWITCH**  
Interchangeability  
system

**OPERATOR-ORIENTED  
DESIGN**



# K4

## › THE K4 FLEXO CONCEPT

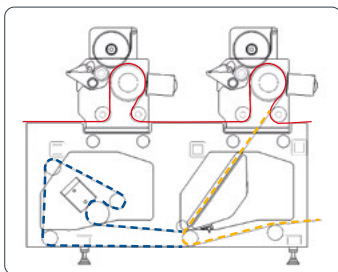
Thanks to a new operator-oriented design, the **K4** provides the highest **ease of use and intuitiveness**, to support daily operations and improve the uptime of the press.



UV/water-based coating



Soft Touch application



### › **PLATE CYLINDER FLEXO CASSETTE**

User-friendly, ergonomic and intuitive design

### › **SHORT WEB PATH**

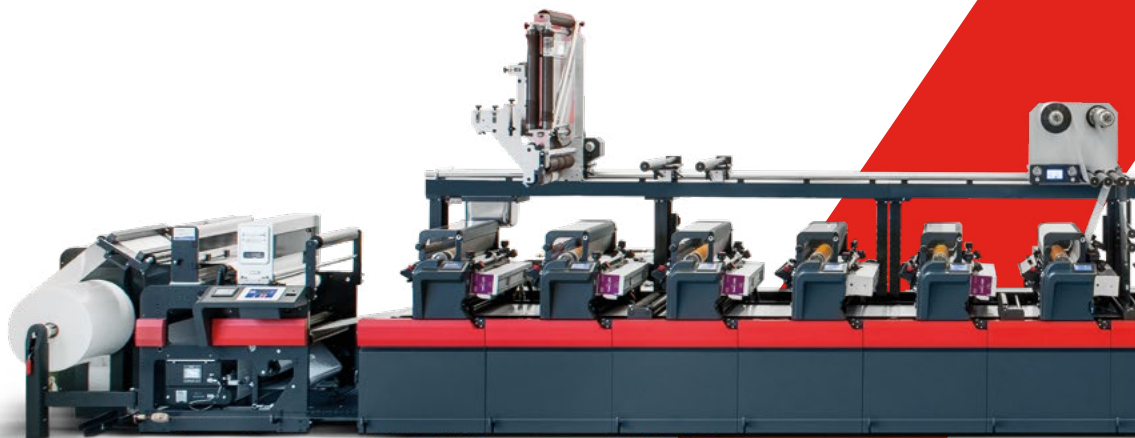
Limited level of waste and cost-effective operations

### › **DUAL SERVO PRINTING**

High printing quality results and reliability

### › **REVERSE PRINTING**

Backside printing without turn bars






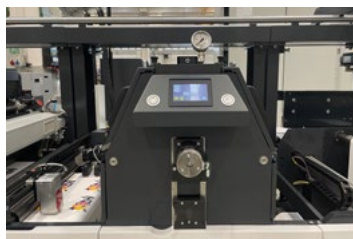
## > YOUR SMART CONVERTING CHOICE

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**



## > 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

	<b>K4</b>		<b>K6</b>	
	<b>430</b>	<b>530</b>	<b>430</b>	<b>530</b>
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			○	
	<b>AVAILABLE PRINTING TECHNOLOGIES</b>			
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	○		○	
	<b>AVAILABLE DIE-CUTTING UNITS</b>			
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.

**INNOVATION  
WITH  
PASSION**



**OMET S.r.l.**  
Via Giacomo Puccini 15  
23847 Molteno (LC) ITALY  
Tel. +39 031 0741000

## OMET WORLDWIDE

**OMET Ibérica I&C S.L.**  
Calle Provenza 196  
08036 Barcelona SPAIN  
Tel. +34 66 9789946  
eduard.pont@omet.it

**OMET Americas Inc.**  
1850 S Elmhurst Road  
Mount Prospect IL 60056 USA  
Tel. +1 847 621 2369  
sales@ometamericasinc.com

**OMET India**  
9th floor Tower B SAS Tower  
Sector 38 Gurgaon - 122001 New Delhi INDIA  
pawandeep.sahni@ometindia.com

**OMET (Suzhou) Mechanical Co. Ltd**  
N.255 Quande Rd Economic Development Zone  
215200 Wujiang City (Jiangsu) CHINA  
Tel. +86 512 63033668  
jason.zhang@omet.cn