



YOUR PASSPORT TO PACKAGING



VARYFLEX
OMET

CREATE NEW POSSIBILITIES

OMET Varyflex is a narrow and **mid-web packaging printing press** whose core is made of a exclusive platform concept designed to combine a wide set of printing and finishing technologies for **added-value results in one single pass**.

It can easily combine different technologies: **UV, water base or solvent base flexo, offset, rotogravure and rotary screen** in unique tailor-made solutions. This highly-technological line enriches OMET product portfolio with two models: **V2**, dedicated to on-demand projects and **special applications**, and **V4**, the offset platform for the production of **high-end flexible packaging**.



LIMITLESS COMBINATION, FULL CUSTOMIZATION

THE PACKAGE PRINTING PLATFORM

 **MASTERS
IN MOTION**
Tension Control Technology

CERTIFIED BY
INDUSTRY LEADERS

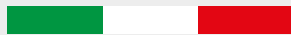


up to
400
m/min

Max
Speed

more
than
200

Different
Configurations



Made in Italy
Technology

52 m



The longest in-line
combination press

END-USE APPLICATIONS

Labels

Flexible Packaging

Folding Carton



From **12 μ**
to **600 μ**

MODULAR
DESIGN



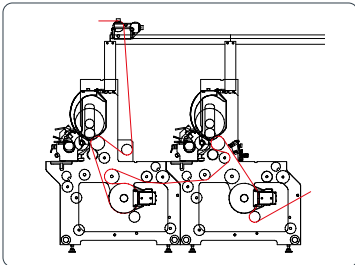


> THE ESSENCE OF FLEXO PRINTING

OMET Varyflex V2 is the first printing press ever to introduce **100% Gearless sleeve technology**, which has become the benchmark of the industry and the purest example of long-lasting innovation.

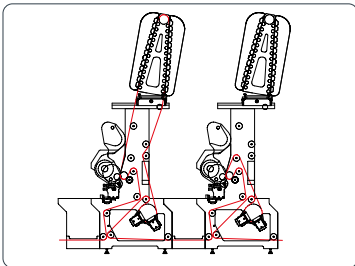
FLEXO

UV/UV LED front and reverse



VERTICAL FLEXO

Hot Air and dual UV/UV LED



> PREMIUM PRINTING QUALITY

- Gearless full-servo direct-drive
- Best tension control and register stability
- No backlash up to the max speed of 250 m/min

> WIDEST FUNCTIONALITY

- Excellent accessibility and operability
- Special curing combinations
- Exclusive results without a second pass or any off-line process



> FROM 12 TO 600 μ

> LABELS

Perfect for production of **high-end labels** thanks to the combination of any printing and finishing technology in-line with the maximum precision, with the **integration of converting modules** up to 670-mm width

> FLEXIBLE PACKAGING

V2 exclusive **tension control and printing stability** allows for the processing of the **most challenging substrates**. The addition of **in-line lamination systems** makes the **V2** the most efficient solution for flexible packaging production

> FOLDING CARTON

The **Varyflex** platform can be integrate with **BOX equipment asset** to process cartons up to 600 μ . The special **on-the-fly cutting unit** with variable repeat capability provides high performance sheeting with no need for tool changeover





> COMBINATION FOR SUCCESS

Customers are always guided through the choice for the **most suitable printing combination**.

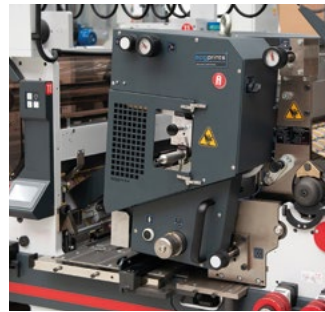
FLEXO



OFFSET by SLEEVE



SILK-SCREEN



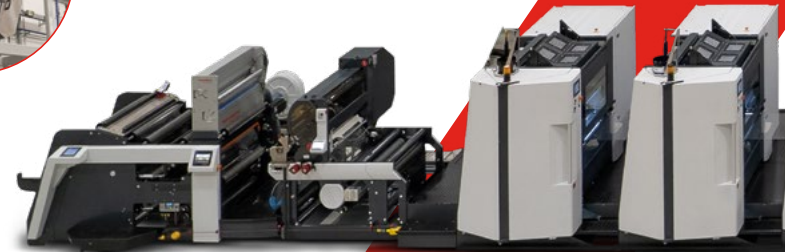
ROTOGRAVURE



> TAILOR-MADE CURING SYSTEMS



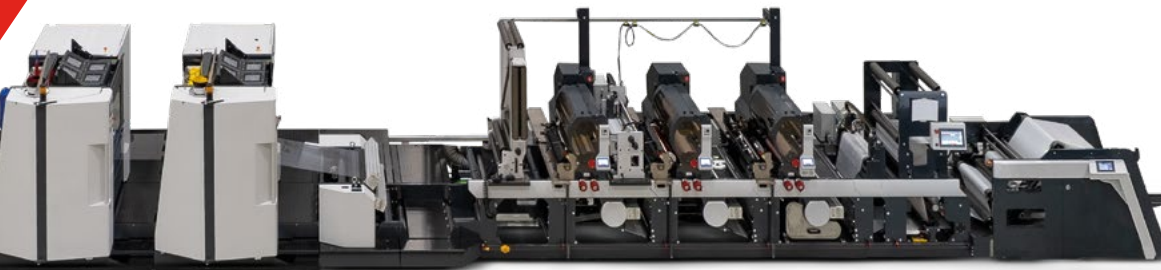
Varyflex V2 offers an **extensive range of Hot Air drying**, including extended vertical path for heavy coatings, customized dryers, and specific combinations.



› SPECIAL CONFIGURATIONS

The Varyflex V2 platform responds to customers most specific needs. It is **the only machine** on the market whose configuration is **totally developed at the customer's discretion**, based on the characteristics of the final application.

- › MODULAR PLATFORM CONCEPT
- › MULTI-PROCESS TECHNOLOGY
- › ENGINEERING-BASED CONFIGURATIONS
- › SPECIAL APPLICATIONS
- › MULTI-SUBSTRATE PROCESSABILITY



› THE POWER OF AUTOMATION



OMET VISION SYSTEM

OMET **exclusive automatic register adjustment and control based** on a high-definition camera scanning system. It can control both **machine and cross directions** of each printing unit and get the machine ready to print in few minutes, **avoiding any possible human mistake.**



OMET MULTIVISION SYSTEM

Multicamera screening system for faster color-to-color reading and real-time adjustment, generating **nearly no waste.** 1 camera installed on every printing unit helps facilitate the register adjustment and control of **all the printing units involved,** even with the most complex configurations.

**ALL PRINTING
TECHNOLOGIES
UNDER
CONTROL**

UP TO
80%
MATERIAL
SAVING

**OPERATOR
INDEPENDENT
ADJUSTMENT**

**REPEATABLE
SET UP TIME
& WASTE**

› TECHNICAL FEATURES

	430	530	670	850
Web width	430 mm (16" 7/8)	530 mm (20" 7/8)	670 mm (26" 3/8)	850 mm (33" 4/8)
Print width	420 mm (16" 4/8)	520 mm (20" 4/8)	660 mm (26")	840 mm (33" 1/8)
Max speed	250 m/min (820 ft/min)			
Unwinder Ø	1000 mm (40") - 1500 mm (60")			
Rewinder Ø	760 mm (30") - 1000 mm (40") - 1500 mm (60")			
Printing transmission	Full Servo Direct Drive			
Flexo printing technology	Sleeve			
Automatic register control	●			
Vision System	○			
Multivision System	○			
AVAILABLE PRINTING TECHNOLOGIES				
Flexo UV - Water-base/Solvent-base	11" 4/8 - 33"	11" 4/8 - 33"	11" 4/8 - 33"	14" - 33"
Offset by Sleeve			16" - 32"	16" - 32"
Rotary silk-screen	12" - 25"	12" - 25"	16" - 33"	16" - 33"
Rotogravure (movable)	12" - 26"	15" - 26"	15" - 26"	17" - 26"
AVAILABLE DIE-CUTTING UNITS				
Label die-cutting station	12" - 24"	16" - 24"	22" - 32"	
Carton die-cutting station	18" - 32"	20" - 32"	24" - 32"	
Flying cut	6" - 33"	6" - 33"	6" - 33"	6" - 33"

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

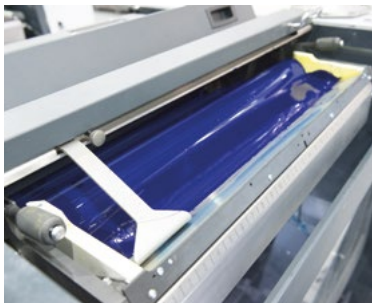
> THE OFFSET PLATFORM

OMET Varyflex V4 Offset is the real breakthrough in **mid-web packaging printing** market. Thanks to a newly designed Offset print unit featuring next-generation technologies and electronics, and a **maximum speed of 400 m/min**, it provides the best performance in the production of **high-end flexible packaging and premium folding carton**.

> OMET PATENT TECHNOLOGY

The exclusive OMET design of the printing section assures **extreme stability** and **cutting-edge quality** at the highest speed:

- Bouncing compensation
- No vibrations
- Constant wrap of the web



> THE OFFSET UNIT

OMET Offset by Sleeve technology is specifically developed with one goal: **providing high quality printing results.**



> EASY SLEEVE FORMAT CHANGE

- Quick changeovers and user-friendly operations
- RFID Sleeves with integrated identification system
- Revolver cart

> INDEPENDENT PRESSURE ADJUSTMENT

- Automatic set-up
- Independent pressure adjustment plate-blanket and blanket-impression cylinder

> SHARP PRINTING PRECISION

- Improved ink grinding system
- Precise dampening calibration: 4 inking rolls in contact with the plate

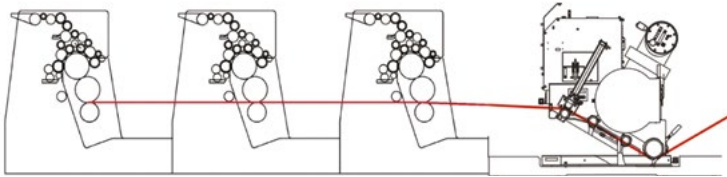
> OFFSET/FLEXO ADAPTABILITY

- Easy converting process offset-to-flexo
- Productive flexibility



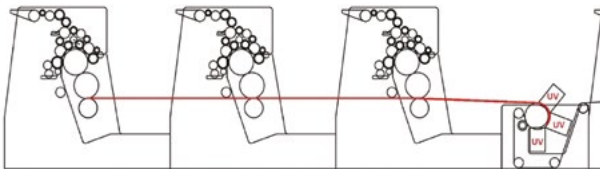
> OFFSET CONFIGURATIONS

ELECTRON BEAM WET/WET



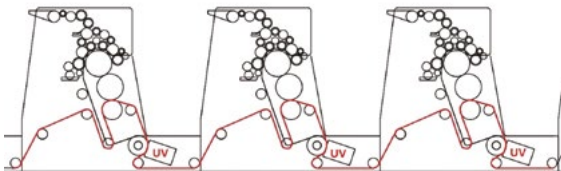
EB curing system placed at the end of the line, which provides an instantaneous and complete curing even at maximum line speed, requiring lower energy than UV and thermal drying.

UV WET/WET



Multiple-lamp drying system installed in-between multiple printing units, suitable for both UV and UV LED lamps.

UV WET/DRY



Interdeck UV curing system with 1 lamp mounted on a servo-driven chill drum placed in-between every printing unit, suitable for both UV and UV LED lamps.

› IN-LINE PRINTING COMBINATION

FLEXO BY SLEEVE

The new Flexo by Sleeve concept applied on both anilox and printing plate, along with the fully Direct Drive transmission by independent motors, make it **the best complementary solution in terms of flexibility and productivity**, with no limitations in performance and quality.



› FLEXO WET/DRY

- UV Front & Reverse
- Hot Air Front & Reverse
- Soft Touch Front & Reverse

› FLEXO WET/WET

- Electron Beam
- UV Front

CHECK IT OUT!

V4 PRINTING
COMBINATION



› HIGH-VALUE ROTOGRAVURE UNIT

The **V4** can be equipped with a new **high-value Rotogravure unit**, with accessibility for the operator from the centerline, on both side. The **ergonomic design** of this unit facilitates the job of the operators and enables lean changeover operations.



› DIRECT DRIVE PRINTING

Servo direct-driven printing cylinder with no gears and bearings

› FRONT/REVERSE PRINTING

Front/reverse printing capability by changing the position of the doctor blade

› LEAN CHANGEOVER PROCESS

All-in-one specific trolley for easy and quick operations



› TECHNICAL DESCRIPTIONS

	670	850	1080
Web width	670 mm (26" 3/8)	850 mm (33" 4/8)	1080 mm (42" 4/8)
Print width	660 mm (26")	840 mm (33" 1/8)	1070 mm (42" 1/8)
Max speed	400 m/min (1312 ft/min)		
Unwinder / Rewinder Ø	1500 mm (60")		
Printing transmission	Full Servo Direct Drive		
Flexo/offset printing technology	Sleeve		
Automatic register control	●		
Vision System	○		
Multivision System	○		
AVAILABLE PRINTING TECHNOLOGIES			
Flexo UV - WB - SB - EB	16" - 32"	16" - 32"	16" - 32"
Offset by Sleeve	16" - 32"	16" - 32"	18" - 32"
Rotogravure (movable)	16" - 32"	16" - 32"	16" - 32"

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**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