

VARY FLEX

V4 OFFSET OMET



YOUR PASSPORT TO PACKAGING



END-USE APPLICATIONS

WRAPAROUND LABELS

SHRINK SLEEVES

POUCHES & SACHETS

BLISTERS

IML

FLEXIBLE PACKAGING

SPECIAL APPLICATIONS

THE NEW BENCHMARK OF PACKAGING

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, it provides the best performance in the production of **high-end flexible packaging**, premium labels and special applications.

It can handle several kind of substrate with the maximum flexibility and the typical reliability of OMET technology. With its **maximum mechanical speed of 400 m/min** and the combination of offset, flexo and rotogravure printing technologies, Varyflex V4 is undoubtedly the best solution for printers specialized in **high-end flexible packaging production**.

TARGET MARKETS

HEALTHCARE & COSMETICS

FOOD & BEVERAGE

HOUSEHOLD

INDUSTRIAL

PHARMA

SECURITY



THE OFFSET UNIT

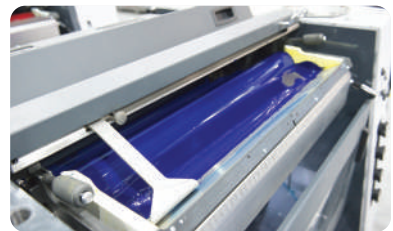
INKING TRAIN

The inking train is made of 19 rollers with automatic washing system, including 6 distributors rollers with controlled temperature and 4 form rollers on the offset plate.



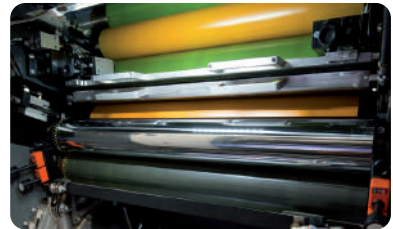
INK DUCT

The ink is dosed by high-precision ink ducts with laser-carved independent sectors featuring automated remote adjustment and control.



DAMPENING SYSTEM

The dampening system features one temperature-controlled oscillating roller and provides balanced dampening on the offset plate either "mixed ink + water" or "water only", for metallic or phosphorescent inks.



AUTOMATIC CLEANING SYSTEM

The offset unit features on-the-run automatic plate cleaning system and can be equipped also with automatic blanket and impression cylinder cleaning systems.



OFFSET/FLEXO CONVERSION SYSTEM

Every offset group can be converted into flexo units with a quick and easy conversion process. Thanks to a special adaptation kit, the printing equipment is interchangeable with standard V4 flexo unit's.



MAIN FEATURES

OMET PATENT TECHNOLOGY



OMET Offset by Sleeve technology is based on a **patented design** which makes it a unique top-class solution, specifically developed with one goal: providing **high quality printing** results.

SOLID DESIGN

The design of the printing section assures extreme stability at the highest speed.

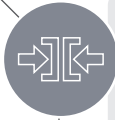
- Bouncing compensation (gap)
- No vibrations
- Constant wrap of the web



INDEPENDENT PRESSURE ADJUSTMENT

Each offset printing unit features 15 motors for automatic set-up and independent pressure adjustment blanket-plate and blanket-impression cylinder.

EASY SLEEVE FORMAT CHANGE



This innovative system is based on OMET patented sleeve technology, which guarantees **quick repeat changeovers and user-friendly operations**.

THE REVOLVER CART

The Revolver cart is a smart sleeve-holding device that facilitates sleeves changeover. It can house up to 8 sleeves and serve 3 printing units, with 2 free shafts always available.

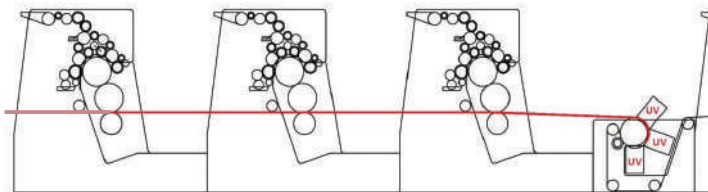


RFID SLEEVES EQUIPMENT

Varyflex V4 Offset uses pneumo locking sleeves available with fiberglass, aluminum or carbon fiber external tube and integrated RFID identification system.

OFFSET CONFIGURATIONS

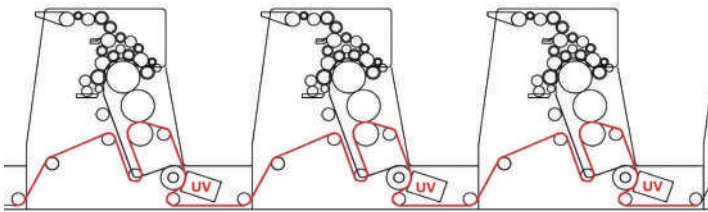
UV WET/WET



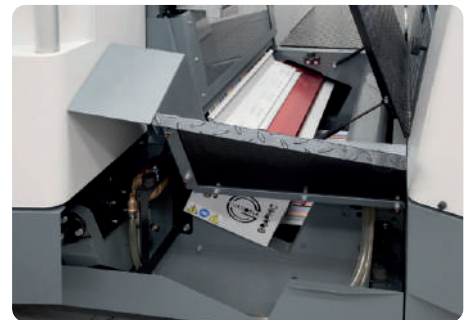
Multiple-lamp drying system installed in-between multiple printing units, with UV lamps mounted on a large servo-driven chill drum. It is suitable for both Hg and LED UV lamps.



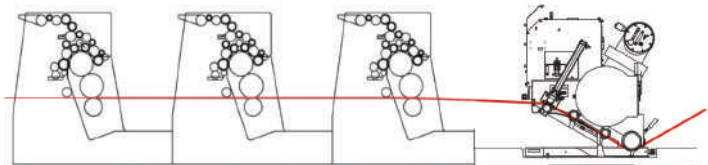
UV WET/DRY



Interdeck UV curing system with 1 lamp mounted on a servo-driven chill drum placed inside every printing unit. It is suitable for both Hg and LED UV lamps.



ELECTRON BEAM WET/WET



Electron Beam is a food compliant curing system generating very little heat for a superior film handling and high-speed production. It provides an instantaneous and complete curing even at maximum line speed, requiring lower energy than UV and thermal drying.



IN-LINE PRINTING COMBINATION

Varyflex V4 Offset conveys all the advantages of **Varyflex multi-process concept** allowing the integration of different printing processes in-line to obtain **value-adding hybrid results**. Thanks to its modularity, the offset platform can be integrated with **flexo** (UV, water-base, solvent-base, EB) or **rotogravure** printing units, both perfect for solid printing and special effects like **Soft Touch**.

HIGH-END ROTOGRAVURE

The new rotogravure unit is specifically designed for the application of solids and special effects on **premium shrink sleeve, labels and flexible packaging**. It features **Direct Drive transmission** on the printing cylinder, with no gears and no bearings which enables high-end printing results at every run.

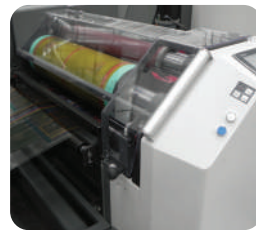
OMET rotogravure unit offers extreme accessibility on both sides and it is equipped with integrated chill drum and doctor blade with front and reverse printing capability.



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.

OMET flexo WET/DRY unit gives the opportunity to **print on Front and Reverse** side with UV, water-base and solvent-base inks, or even **Soft Touch hybrid composition**. The flexo WET/WET configuration allows the integration of Electron Beam curing system.



FLEXO WET/WET

- Electron Beam

FLEXO WET/DRY

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

TECHNICAL SPECIFICATIONS

VARYFLEX
OMET

	670	850
Web width	670 mm (26 3/8")	850 mm (33 4/8")
Print width	660 mm (26")	840 mm (33 1/8")
Max. speed	400 m/min	
Unwinder/Rewinder	1500 mm (60")	
Infeed/Outfeed	Servo driven - Closed loop	
Trasmissione di stampa	Servo Direct Drive	
Machine and Cross register adjustment	Automatic by Vision System	
Register control	Automatic by Vision System	

AVAILABLE PRINTING TECHNOLOGIES

Flexo UV - WB - SB - EB	16" - 32"	16" - 32"
Offset by Sleeve	16" - 32"	16" - 32"
Rotogravure	16" - 32"	16" - 32"

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





INNOVATION WITH PASSION



victorycommunication.it

OMET srl

Via Puccini, 15
23847 Molteno (LC), ITALY
Tel. +39 031 0741000
www.printing.omet.com

OMET WORLDWIDE



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



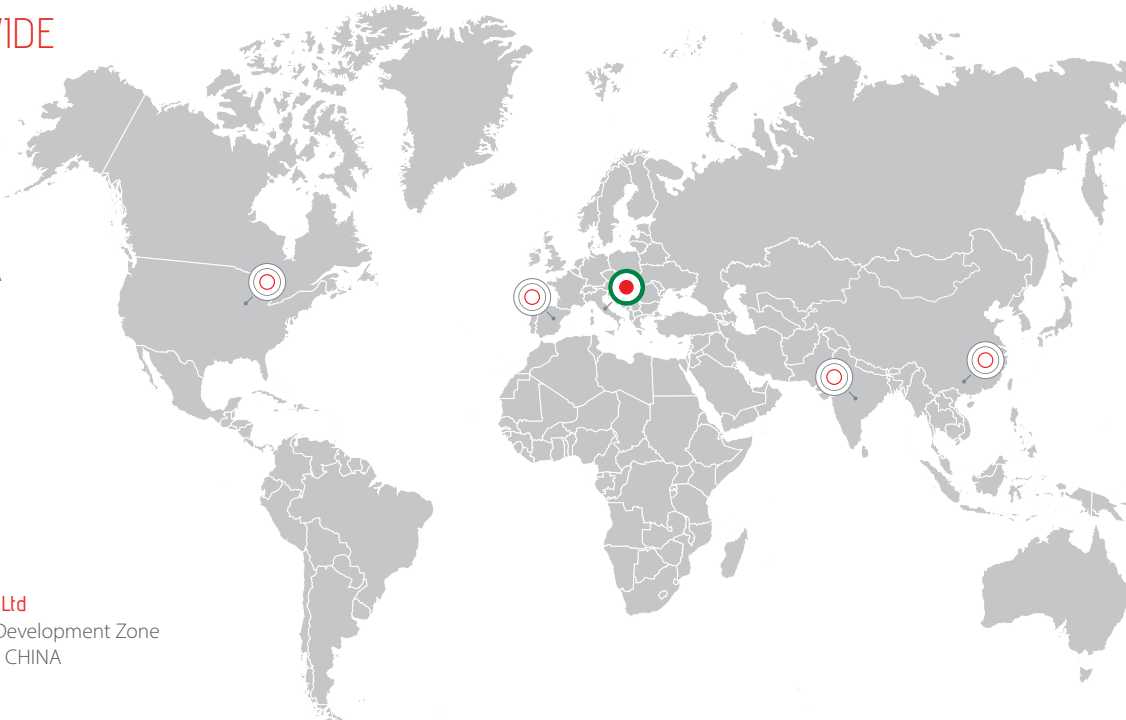
OMET Ibérica I&C S.I.
Calle Provenza, 196
08036 Barcellona SPAIN
Tel. +34 66 9789946
Fax +34 93 4907740
ometiberica@terra.es



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



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



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