

VARYFLEX

OMET V2



CHOOSE THE PERFORMANCE
OF **VARYFLEX V2** TOP-CLASS
TECHNOLOGY PLATFORM

UNIQUE • TAILOR-MADE • MODULAR

CREATE YOUR PLATFORM





THE PACKAGE PRINTING PLATFORM

CREATING NEW POSSIBILITIES

Varyflex V2 is a narrow and mid-web packaging printing press whose core is made of a unique platform concept designed to combine a wide set of printing and finishing technologies for **added-value results** in one single pass.

Varyflex V2 features servo-driven **printing modules**: UV, water base or solvent base flexo unites, Offset by sleeves. Movable gravure and rotary screen can be easily combined in unique tailor-made solutions. Diverse **finishing and converting modules** can be integrated in-line to increase the versatility of the press and confer high value to the final product.

TARGET MARKETS

WINE & SPIRITS

HEALTHCARE & COSMETICS

TOBACCO

FOOD & BEVERAGE

HOUSEHOLD

INDUSTRIAL

PHARMA

SECURITY

ONE PLATFORM FOR ENDLESS SOLUTIONS IN PACKAGING PRINTING AND CONVERTING

The Varyflex V2 line holds the authentic concept of mid-web printing platform, for high performance results in the production of premium labels, flexible packaging, folding carton and many special applications.

APPLICATIONS

SELF-ADHESIVE LABELS

LIDS

POUCHES & SACHETS

WET-GLUE LABELS

TAGS & TICKETS

FOLDING CARTONS

MULTI-LAYER LABELS

IML

PAPER CUPS

WRAPAROUND LABELS

FLEXIBLE PACKAGING

BLISTERS

SHRINK SLEEVES

LAMITUBES

SPECIAL APPLICATIONS

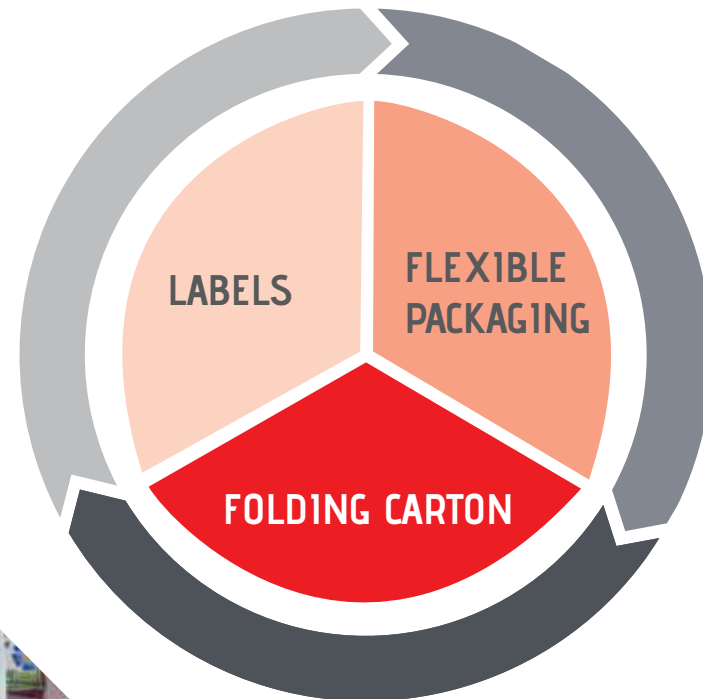




VARYFLEX IS THE ANSWER TO YOUR PACKAGING

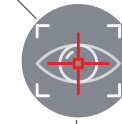
Varyflex V2 modular design allows combining and implementing in-line, with no limitations, **different printing technologies**, as well as **special finishing applications and converting units**, to always get to the final product in one single passage.

Varyflex V2 multi-function technology allows for the extreme customization of each machine configuration, providing the capability to enhance the product portfolio and be competitive in every market sectors.



MAIN FEATURES

ADVANCED AUTOMATION



Automatic printing registration adjustment and control based on a single or multiple camera scanning system. **Vision-1** and **Multivision systems** can control both machine and cross side of each single printing unit, getting the machine ready to print in no time and drastically reducing the start-up waste.

PLATFORM CONCEPT

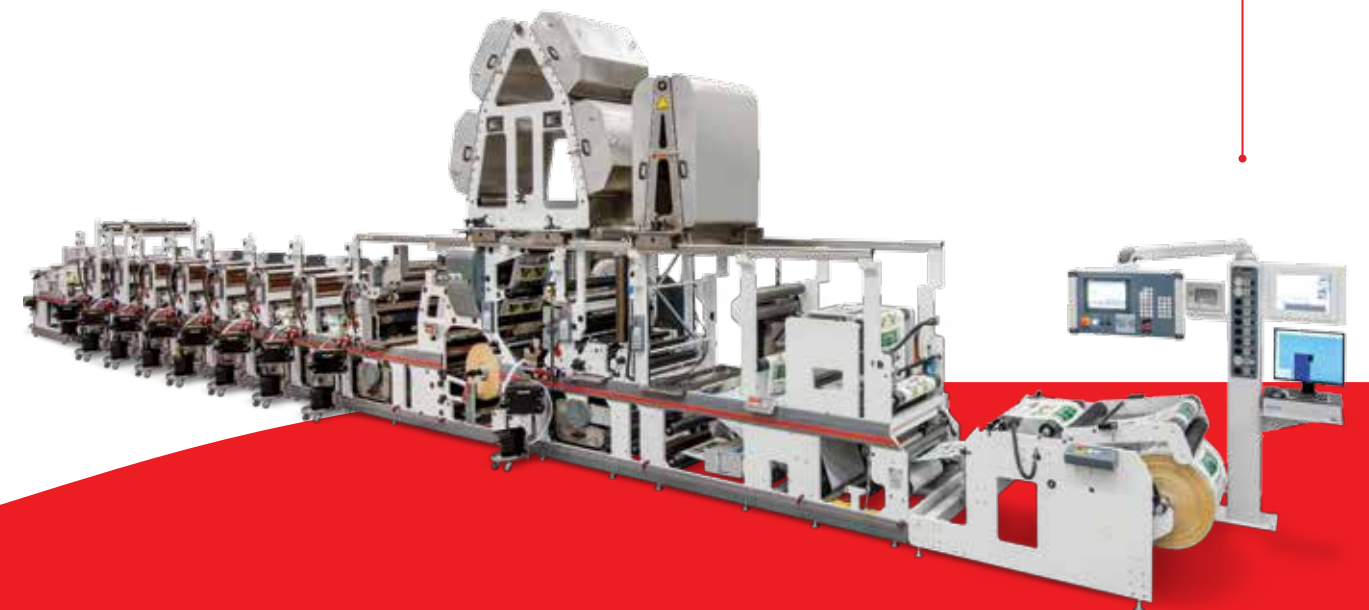


Thanks to its complete flexibility, Varyflex V2 can be designed and **configured according to customer's necessities**. It assures the highest flexibility in choosing the most suitable configuration thanks to interchangeable units for UV, water-base and solvent-base flexo printing, rotary silk-screen, rotogravure, cold and hot foil.

MULTI-PROCESS TECHNOLOGY



Varyflex V2 **modular design** allows combining and implementing in-line with no limitations different printing technologies, as well as special finishing applications, converting units and final deliveries. You can get the best out of each technology and obtain exclusive results without a second pass or any off-line process.





CUSTOMIZED SOLUTIONS

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**. OMET has delivered more than 100 different Varyflex machines through the years, with unique peculiarities that made every single press one of a kind, creating a consistent competitive advantage on the market.



**VARYFLEX V2
OFFSET
Hybrid
Configurations**

TRANSPARENT FACTORY CLOUD

The Transparent Factory Cloud is a **digital data management software** enabling the access to all the productive information of OMET machine.

It helps the printer control and manage the daily production in order to better support the planning and **improve the efficiency** of the entire production process.

It helps the company to measure and **value the quality of the press** and the performance of the team.



INDUSTRY 4.0

MACHINE CHECK-UP

Constant job parameters monitoring

RECIPE MANAGEMENT

Intuitive Store & Recall function

DATA REPORT

Automatic production data storage

ALARM DIAGNOSIS

Daily report & problem-solving forecast

**VARYFLEX V2
Special
Configurations**

PRINTING TECHNOLOGIES COMBINATION



FLEXO

Flexography offers **the best balance between high quality output and extreme flexibility on substrates**, inks and curing. Flexo units can be easily integrated with many finishing and converting options and other printing technologies to **create complex hybrid configurations**. Varyflex V2 features modular flexo units that can be configured for **UV or UV LED printing**, for vivid and brilliant output, but also for **water-based and solvent-based printing**, especially required in food.



OFFSET by SLEEVE

The newly designed Offset print unit provides the best performance in the production of **high-end flexible packaging, premium labels and special applications**. Offset is the ideal technology when it comes to print fine details, high quality graphics and when low ink lay-down is required. Thanks to the **patented Sleeve technology and the Easy Sleeve Format Change system**, the offset unit by OMET offers also the benefits of a convenient solution for short and medium runs, providing **lower cost of equipment and quicker changeover time** compared to other printing technologies.



ROTOGRAVURE

The rotogravure unit allows printing consistent solid backgrounds, special metallic inks and insert special finishing applications that would normally require a second pass, carrying **out more packaging processes in one single passage**. The rotogravure unit designed by OMET can be used with a wide range of substrates, from cardboard to labels and it is explosion-proof and compliant with the international standards in use. The group is movable and ergonomic, thus can be **inserted in-line in any position or sequence**, according to the production requirements.

FINISHING & CONVERTING



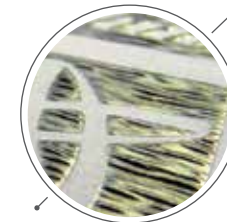
Cold foil

Cold foil unit interchangeable in-between flexo units



Hot Stamping

Rotary or flatbed in-line servo driven hot stamping system for special metallic effects



Converting

Rotary in-line systems for embossing, die-cutting, creasing and sheeting



Varnishing

Extended web path for in-line UV gloss varnishing



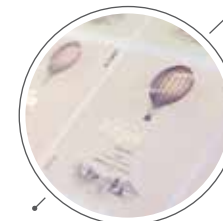
Multi-Layers

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



Double side printing

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



Rotary Silk-Screen

Interchangeable unit for high coverage and thick layer printing embellishment for special relief effects



Cold seal & Hot melt

In-line Cold Seal and Hot Melt processes used for special glue application mainly in food packaging production



Hologram Transfer

In-line integration for special hologram effects and anti-counterfeiting elements, with foil-saver technology, movable in-between printing units

IN-LINE LAMINATIONS

UV lamination

Solvent-base and water-base lamination

Solventless lamination

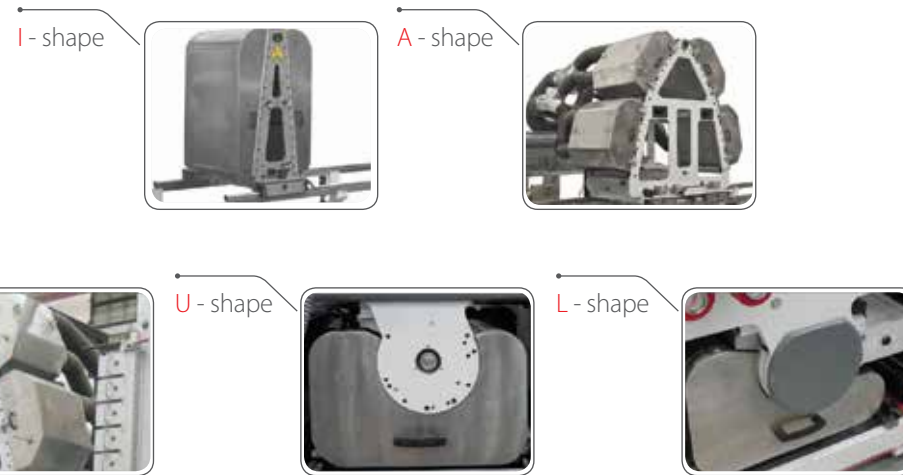
M-PET lamination

DRYING & CURING SYSTEMS

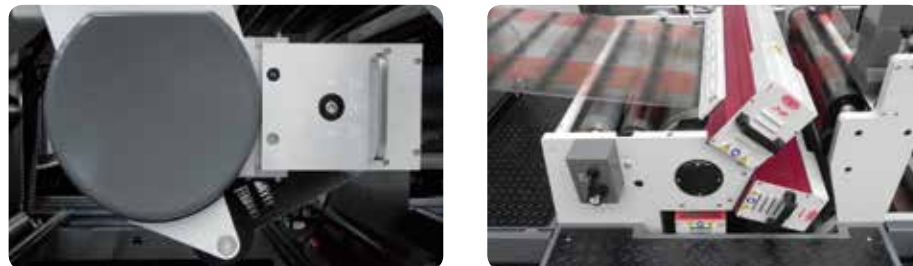
Varyflex V2 offers an extensive range of Hot Air drying and UV curing systems suiting any customer's application and necessity, including **extended vertical path** for heavy coatings, **customized dryers** and specific combinations with **single or multiple UV lamps**.

Customers are always guided through the choice for the most suitable drying system:

HOT AIR



UV & UV LED



SLITTING & DELIVERY SYSTEMS

Different typologies of slitting systems can be integrated in-line into the converting section: shear cut, pressure cut, razor cut and underscoring assembly, as well as **Flying Cut system**. This variable repeat cross cutting unit features servo driven rotating cylinders that perform a synchronized progressive and accurate shear cut independently from the slitting repeat, increasing productivity in both short and long runs.

Varyflex V2 can be configured with 3 main delivery options: **Roll-to-Roll** as the standard solution, **Roll-to-Blank** for special products like in-mold labels or paper cups and **Roll-to-Sheet**, especially dedicated to paper and cardboard products.

TECHNICAL SPECIFICATIONS

VARYFLEX OMET V2				
	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	200 m/min			
Unwinder Ø	1000 mm (40") - 1500 mm (60")			
Rewinder Ø	760 mm (30") - 1000 mm (40")			
Infeed/Outfeed	Servo driven - Closed loop			
Printing transmission	Servo			
Printing technology	Sleeves			
Machine and Cross register adjustment	Automatic			
Register control	Automatic			
AVAILABLE PRINTING TECHNOLOGIES				
Flexo UV - WB - SB	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	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



INNOVATION WITH PASSION

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OMET Packaging Printing is located in Lecco, Italy, 50 kilometers north of Milan in a 3,000 square meters area, of which 2,000 square meters dedicated to production. The product portfolio of this business unit includes: narrow and mid web machines /or labels and packaging printing characterized by operational flexibility, efficiency on any job run, versatility on materials and personalized configurations to respond to any customer's request. Besides machines, **OMET** offers complimentary services including ancillary equipment, consultancy and accurate pre and post-sales service programs.



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