

YOUR PASSPORT TO PACKAGING



VISIT:
printing.OMET.com/varyflexoffset



EASY SLEEVE FORMAT CHANGE

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



Automatic pressure adjustment
OMET patented pressure adjustment system automatically controls and adjusts the pressure of all the rolls at each repeat changeover.



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 shaft 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.

MULTIVISION SYSTEM

Multi-camera scanning system for the automatic adjustment of machine and cross printing register, with remarkable time and material savings during start-up.



Automatic register control
Multivision register control allow offsetting the register of each color to balance incorrect plate mounting or filmic substrates stretching.



VARYFLEX V4 OMET OFFSETSLEEVE

Varyflex V4 Offset is the real breakthrough in mid-web packaging printing market. Thanks to a newly designed Offset print unit featuring last-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 and Flexo printing technology, Varyflex V4 Offset it is undoubtedly the best solution for printers specialized in flexible packaging production.



Ink train

Every offset unit contains an inking train made of 20 idling rollers with automatic washing system, plus 3 oscillating ink rollers with controlled temperature and 4 form rollers on the offset plate.



Dampening system

Balanced dampening on the offset plate can be either "mixed ink + water" or "water only", for metallic or phosphorescent inks.



Ink duct

Ink is dosed by high-precision ink ducts with laser-carved independent sectors, remotely controlled and completed with OMET mechanics.



Direct Drive

Each offset printing unit has 10 direct-drive torque motors for automatic set-up and independent pressure adjustment of the sleeves and the inking rolls.

THE OFFSET PRINTING UNIT



UV WET/WET

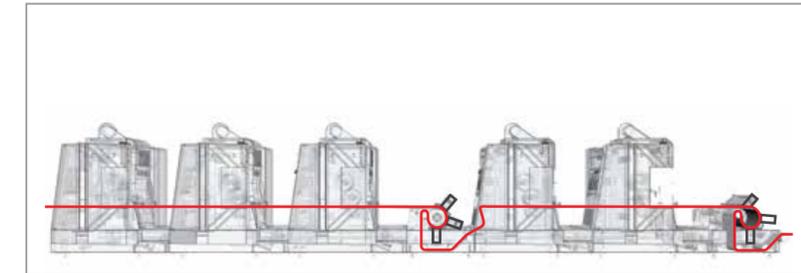


UV WET/DRY

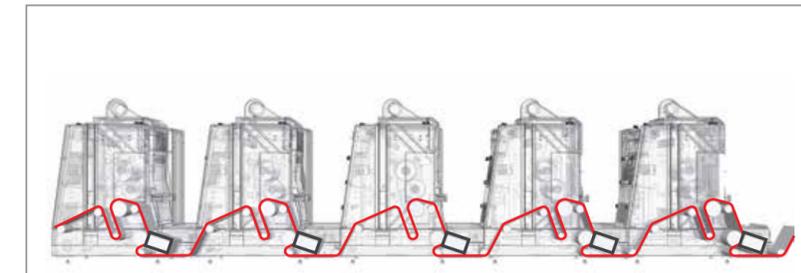


ELECTRON BEAM WET/WET

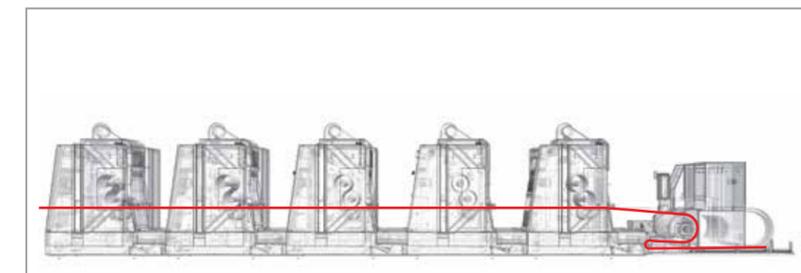
OFFSET CONFIGURATIONS



Multiple-lamp drying system interposed between 2 or 3 printing units, with UV lamps mounted on a large servo-driven chill drum. It is suitable for both Hg and LED UV lamps.



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.



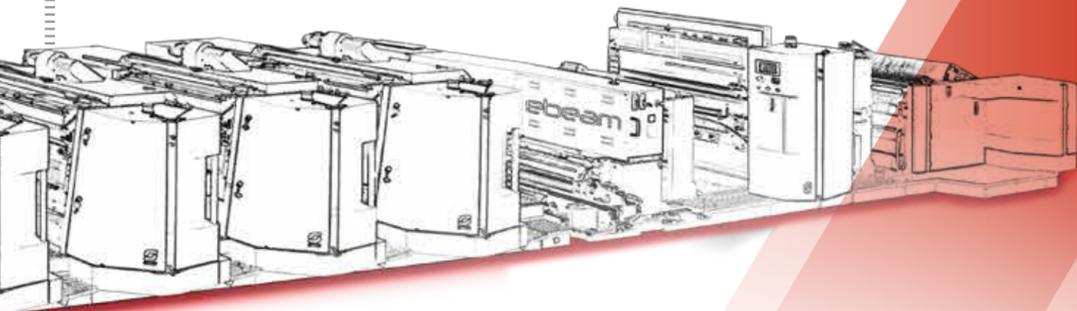
Electron Beam is a food compliant curing system generating very little heat for a superior film handling and high-speed production. It provides an instantaneous and complete curing even at maximum line speed, requiring lower energy than UV and thermal drying.



IN-LINE PRINTING COMBINATION

Varyflex V4 Offset conveys all the advantages of Varyflex multi-process concept allowing the integration of different printing technologies in-line, with the opportunity to combine different printing processes to obtain value-adding hybrid results.

Thanks to its modularity, it can integrate offset with flexo technology (UV, water-base, solvent-base, EB) or rotogravure, both perfect for solid printing and special metallic effects.

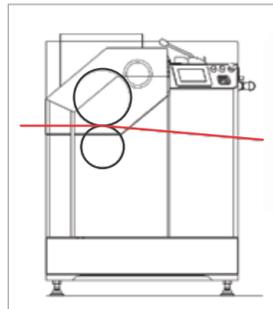


THE FLEXO PRINTING UNIT

The new flexo unit is specifically designed to integrate the offset printing process with no limitations in performance and quality. The new Flexo by Sleeve concept applied on both anilox and flexo plate, along with the fully Direct-Drive transmission by independent motors, make it the best complementary solution in terms of flexibility and productivity.

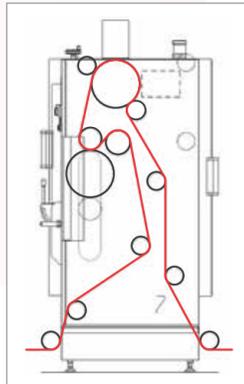
FLEXO WET/WET

- Electron Beam



FLEXO WET/DRY

- UV
- UV Reverse
- Hot Air



VARYFLEX V4 OFFSET SPECIFICATIONS



Max speed	400 m/min
Web width	670 - 850 mm [26"3/8 - 33"1/2]
Print width	660 - 840 mm [26" - 33"]
Offset print repeat	16" - 32"
Flexo print repeat	16" - 33"
Printing transmission	Independent Direct Drive
Pre-register adjustment	Automatic
Register adjustment and control	Automatic
IN-LINE PRINTING TECHNOLOGIES	
Offset by sleeve	
Flexo (UV - Water base - Solvent base - EB)	
Rotogravure	



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