



OMET

INNOVATION WITH PASSION

SINCE 1963





Label and packaging printing machines
Industry: Packaging and Converting



Systems in motion
Industry: Rollers systems for Lifts, material handling, shower boxes, furniture, wheels etc.

Wet wipes
Industry: Cosmetics & Hygiene



Tissue converting machines
Industry: Tissue



WORLDWIDE

OMET Group

Headquarters and
production plants in
Lecco area, north of
Italy



O-PAC
Creativity & Innovation

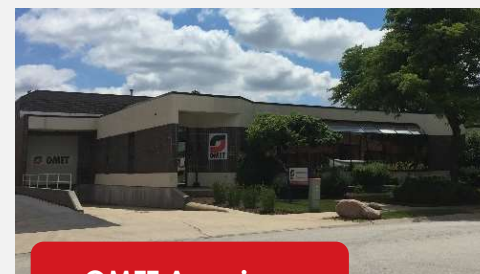


- **>50 years** of experience
- **500 employees in the** world
- 8 production plants
- 4 subsidiaries (China, USA, India and Spain)

OMET India



OMET Americas



OMET China



NEW OMET PRODUCTION SITE

OMET Group

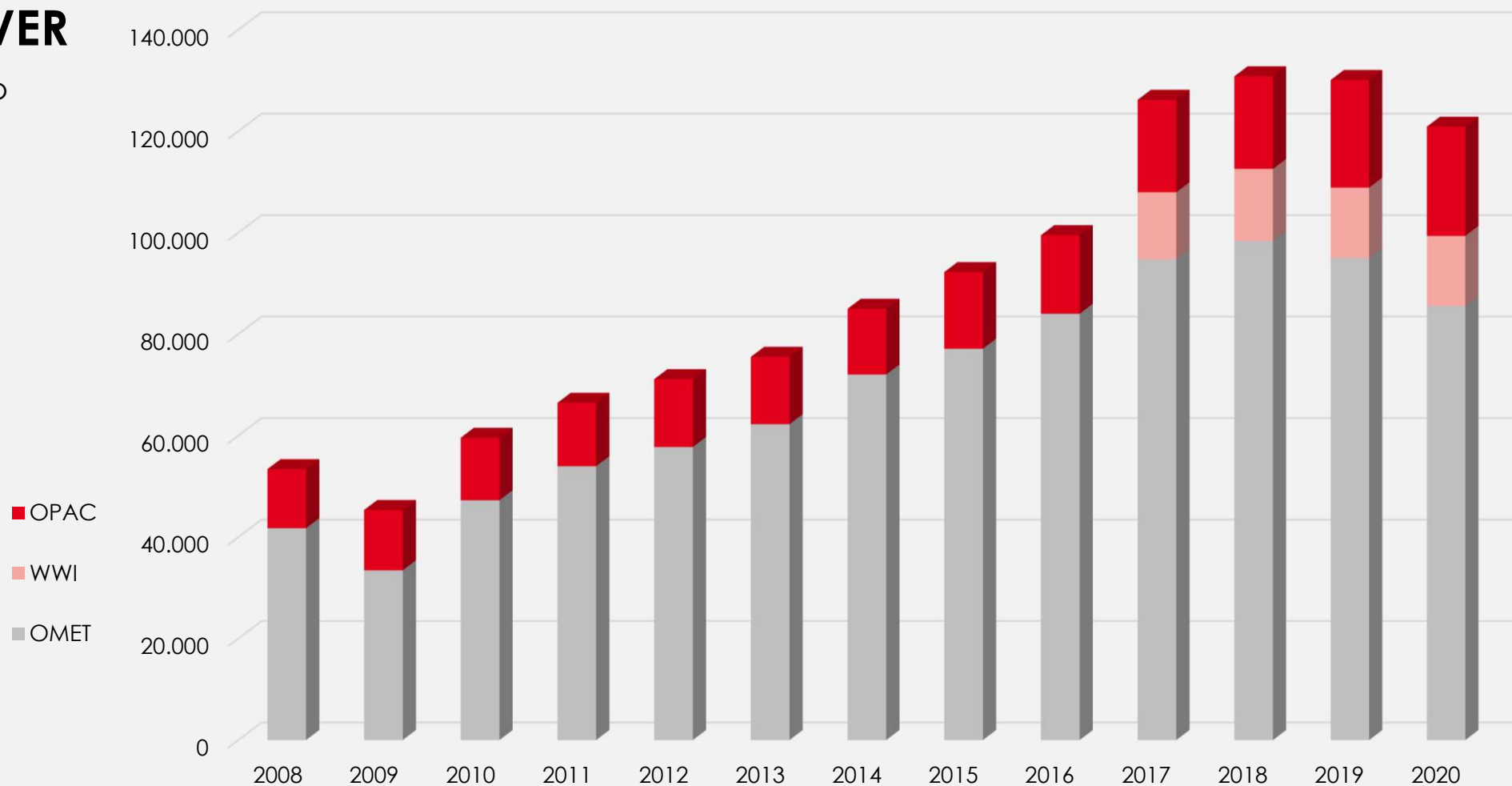
New OMET facility in Molteno (Lecco):

- A completely new area of 34.000 m2
- 17.000 m2 of production area
- 4.000 m2 of office space
- A completely automated new warehouse
- Additional 5.000 m2 of demo center and R&D area
- Fully operative by 2021



TURNOVER

OMET Group



PACKAGING PRINTING

BUSINESS UNIT



MARKETS & APPLICATIONS

BU PRINTING



MARKET AREAS

OMET Machines installations



KNOW HOW

BU PRINTING



MACHINES RANGE

BU PRINTING



PARTNERSHIPS

BU PRINTING



Huhtamaki



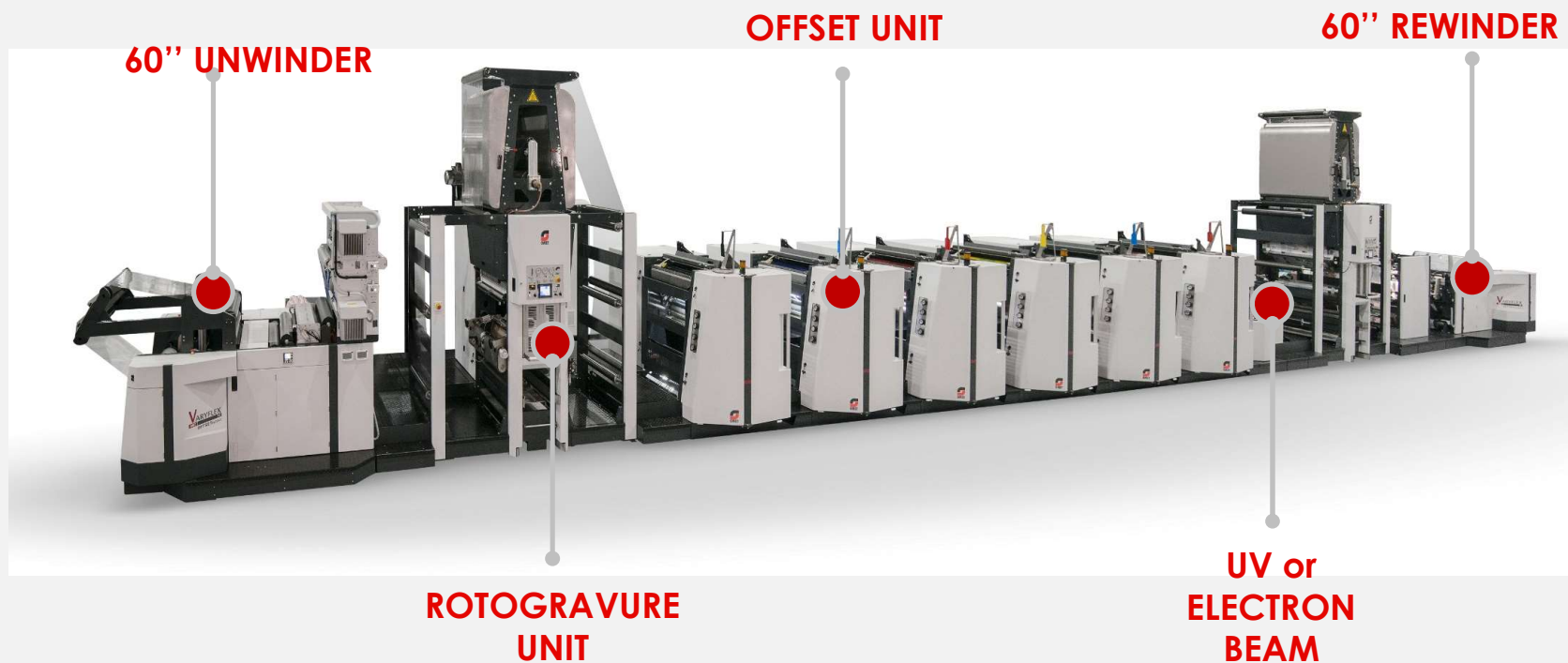
A large industrial offset printing machine, the OMET Varyflex V4, is shown in a factory setting. The machine is tall and cylindrical, with a prominent OMET logo on its side. The logo consists of a stylized 'O' with a red and black design, and the word 'OMET' in bold black letters. The machine is surrounded by various components and structures, including a large red cylindrical component in the foreground. The background shows a bright, industrial environment with white walls and ceiling lights.

OMET PRINTING TECHNOLOGY

VARYFLEX V4 OFFSET

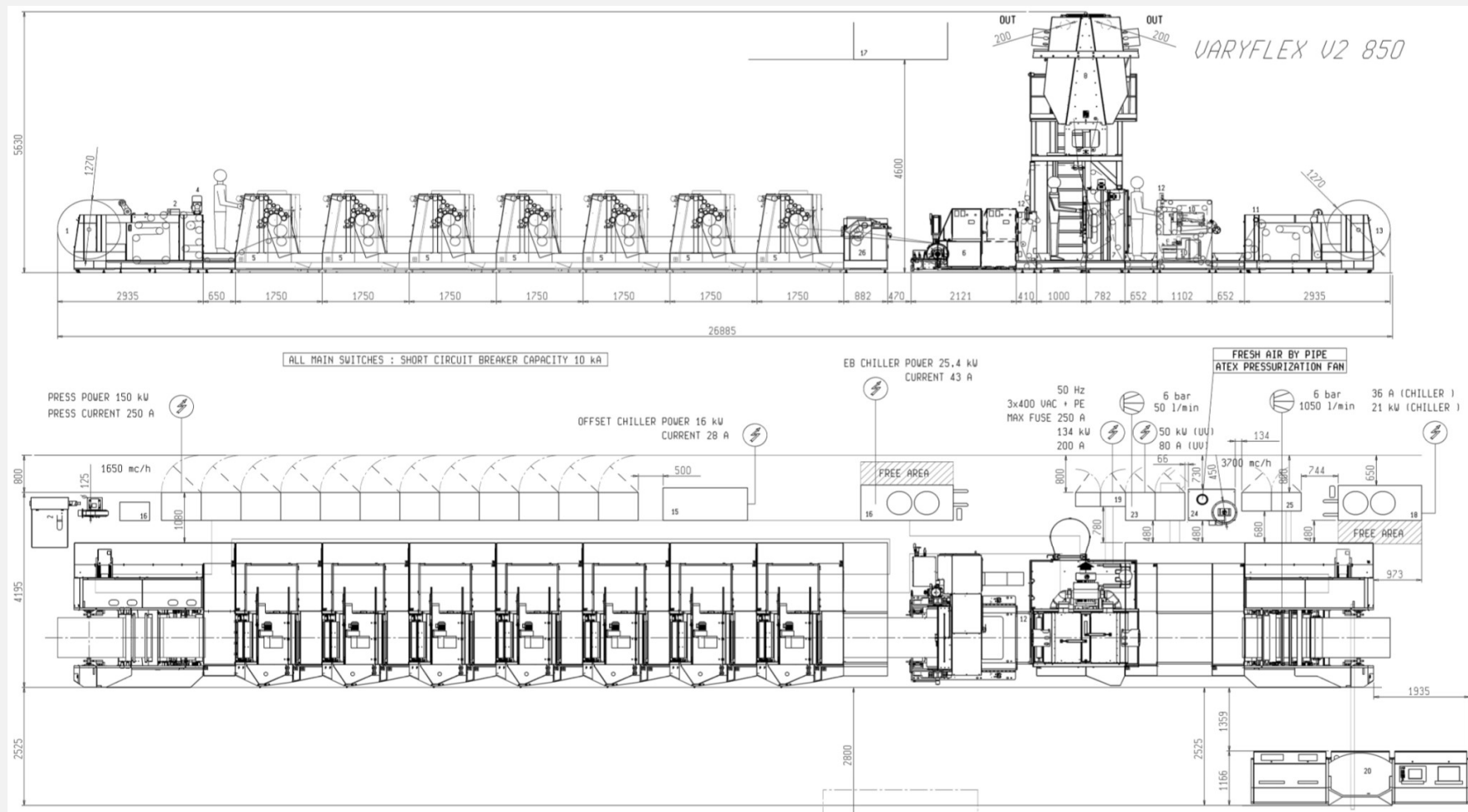
OMET VARYFLEX V4

Full Configuration



OMET VARYFLEX V4

Full Configuration



OMET VARYFLEX V4

Offset unit



TECHNICAL DATA

- Web Width: 670 - 850 mm (26'' - 33'')
- Max Speed: 400 m/min
- Offset Print Repeat: 16'' - 32''
- Offset Technology: Sleeve

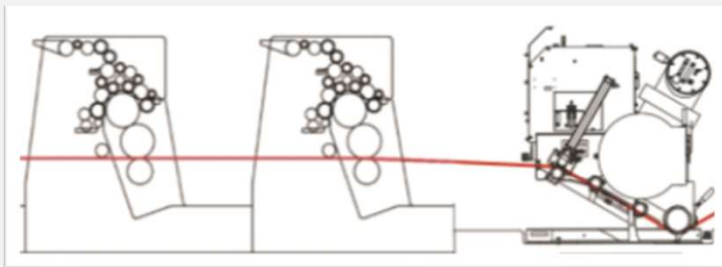
EASY SLEEVE FORMAT CHANGE

- Fully automatic set-up
- Independent pressure adjustment
- Automatic Pre-registration
- Quick and easy job changeovers
- Lightweight sleeves: fiberglass, aluminum, hony-alu, carbon fiber

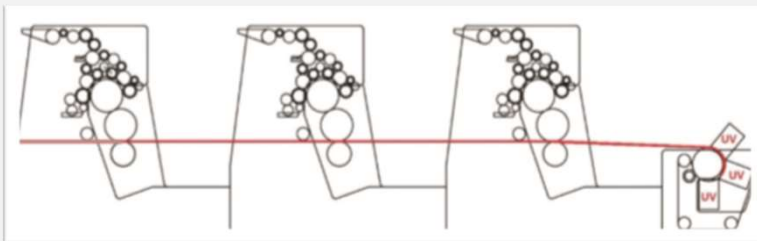


OMET VARYFLEX V4

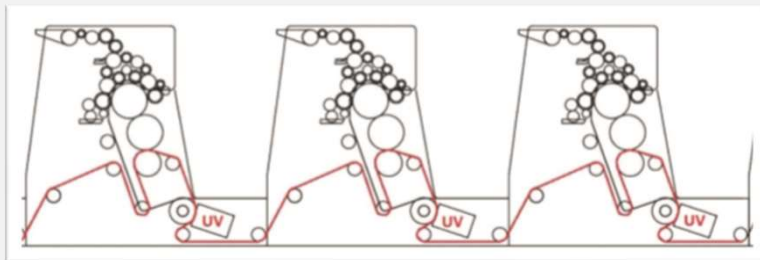
Offset unit



EB Wet-Wet



UV Wet-Wet



UV Wet-Dry

OMET VARYFLEX V4

Flexo Configurations

TECHNICAL DATA

- Max speed: 400 m/min
- Printing plate and anilox by sleeve
- Direct-Drive
- Independent motors
- Flexo Print Repeat: 16'' - 33''
- Flexo Technology: Sleeve

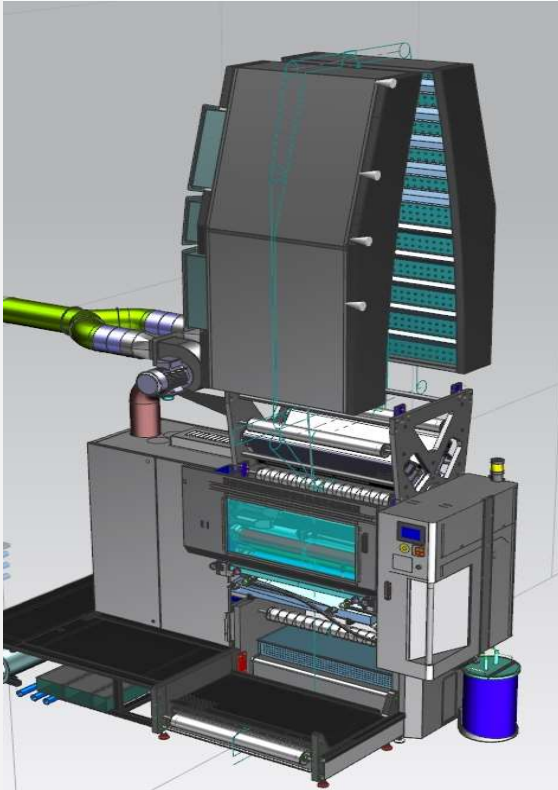
V4 Flexo options

- UV Front
- UV Reverse
- Hot Air Front
- Hot Air Reverse
- Soft touch front
- Soft touch reverse
- E-Beam



OMET VARYFLEX V4

Flexo Configurations

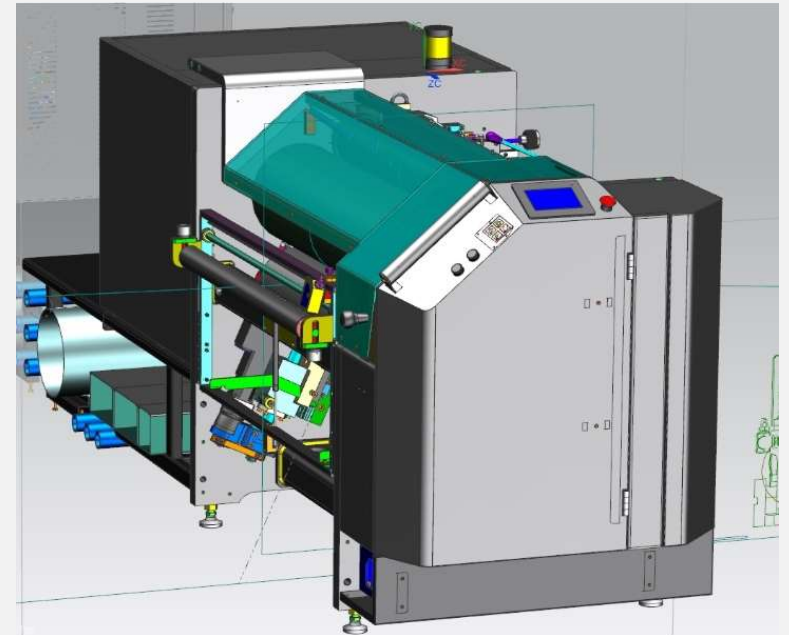


V4 Flexo

- *UV Front*
- *UV Reverse*
- *Hot Air Front*
- *Hot Air Reverse*
- *Soft touch front*
- *Soft touch reverse*

V4 Flexo

- *EB*



OMET VARYFLEX V4

Rotogravure unit



TECHNICAL DATA

- Web Widths: 670 - 850 mm (26'' - 33'')
- Max Speed: 200 - 300 m/min
- Rotogravure Print Repeat: 16'' - 32''
- Direct-Drive



OMET VARYFLEX V4

Rotogravure unit



TECHNICAL DATA

- Web Widths: 670 - 850 mm (26'' - 33'')
- Max Speed: 200 - 300 m/min
- Rotogravure Print Repeat: 16'' - 32''
- Direct-Drive

V4 Rotogravure SOLVENT BASE

- Hot Air Front
- Hot Air Reverse

V4 Rotogravure WATER BASE

- Hot Air Front
- Hot Air Reverse
- Soft touch front
- Soft touch reverse



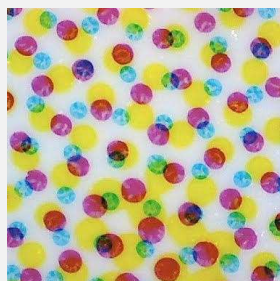
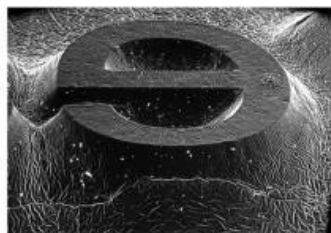
WHY SHOULD YOU BUY VARYFLEX V4?



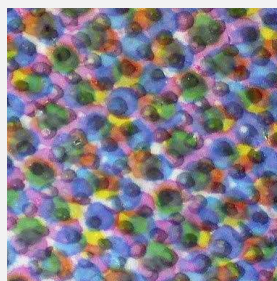
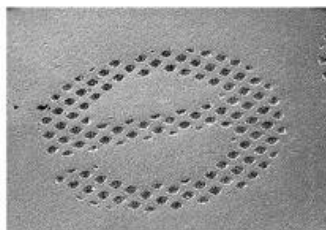
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FLEXO, GRAVURE AND OFFSET PRINTING QUALITY

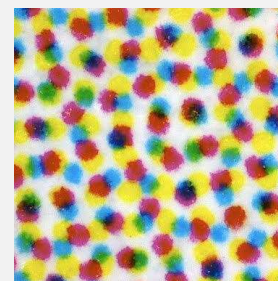
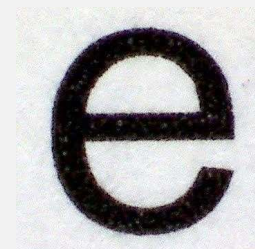
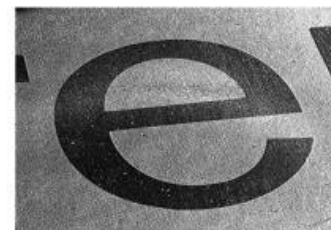
FLEXO



GRAVURE



OFFSET



OFFSET: A SIMPLER PROCESS, INVOLVING LESS RESOURCES AND REQUIRING LESS INVESTMENT IN ANCILLARY EQUIPMENT:

- NO Ink maker and storage for ink returned from the press room
- Cylinder engraving / Plate making and mounting
- Less storage space compared to cylinder or plates, cleaning and storage organization.
- NO COV's incineration or solvent recovery.
- NO Destilators and cleaning Machines.
- Insurance costs will be much lower because there are no risky solvents involved.

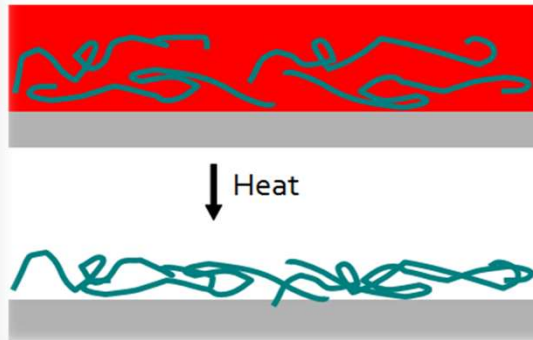


OMET VARYFLEX V4 – THE KEY ELEMENTS

- Offset inks for printing on film have a **polymeric character**. Composed of monomers and oligomers.
- These inks **don't dry**. They have to be **cured** by EB radiation.
- EBC inks do not contain any photo initiators, or any solvents!

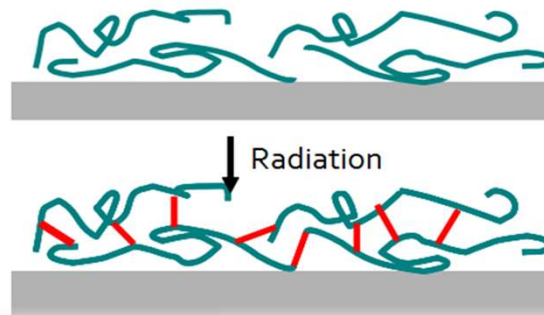
Physical drying

Solvent evaporation
Physical drying
No crosslinking



Chemical curing

No solvent evaporation
Chemical polymerisation
Crosslinking produces a rigid network



ADDITIONAL ADDED VALUE: EB VARNISH

EB coating is fully safe for food packaging and is increasing in demands as an alternative solution to avoid lamination. Its use is increasing for candies and frozen products, because it offers very high glossiness and higher scratch-resistance. This capability reduces costs and delivery time as the products are finished inline.

- High scratch resistance
- High chemical protection
- No odor
- High Glossy or Matte effects
- Slip coefficient can be adjusted
- EB coating is compatible with food packaging even at full production speed



GROUPING DESIGNS

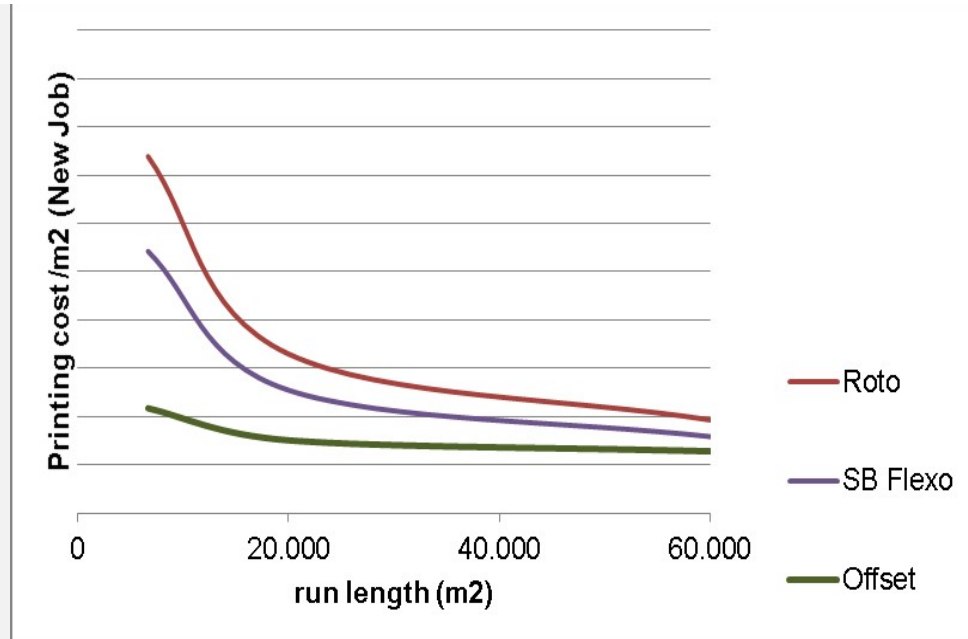
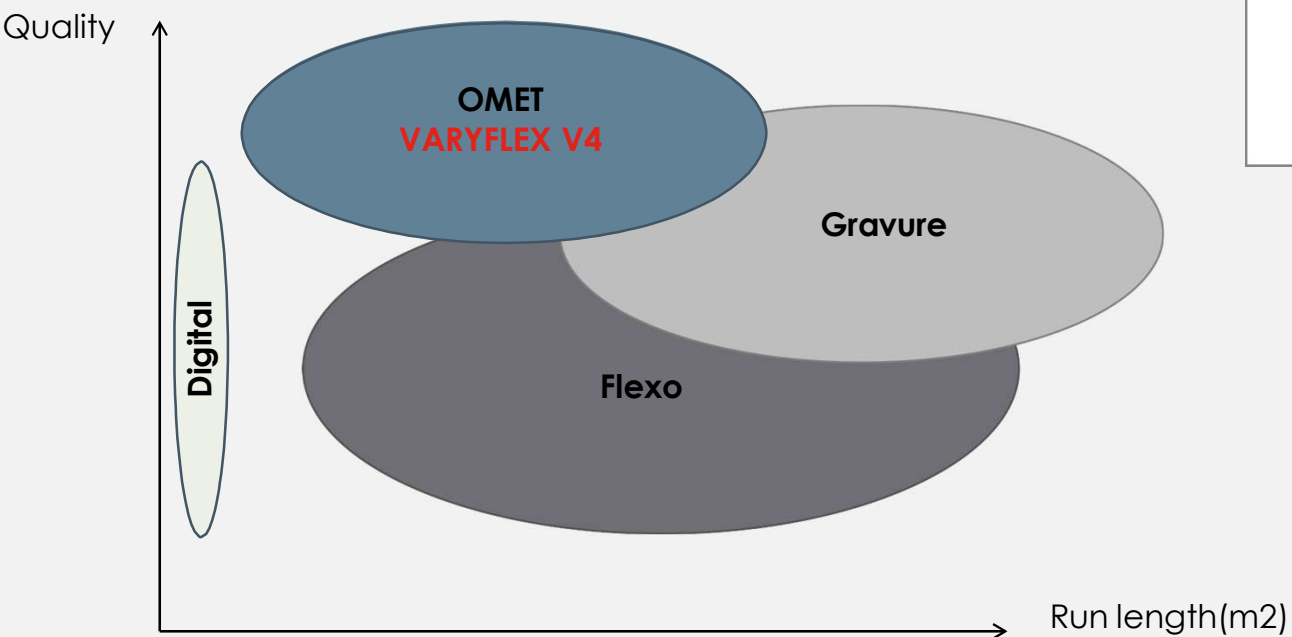
(short runs becomes large orders)



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COMPETITIVE COSTS

Flexible packaging market trends

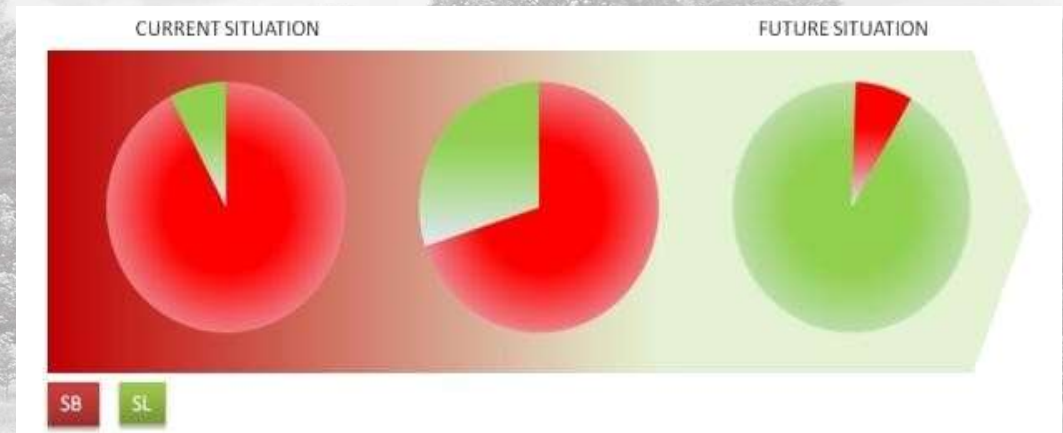


SUSTAINABILITY

(less energy, solvent free,..)

What today is an
added value,
In the future may be
will be standard

Solvent → Solvent Free



OMET VARYFLEX V4

WHAT DOES MARKET DEMANDS?

- Sustainability
- Time-to-Market
- Competitive Costs
- Printing Quality (resolution, color, etc)
- Efficiency, fast change-over

WHAT DOES OMET VARYFLEX V4 OFFERS?

- Sustainability
- Time-to-Market
- Competitive Costs
- Printing Quality (resolution, color, etc)
- Efficiency, fast change-over



SUMMARY

- *Profitable short/mid runs*
- *Low cost plates*
- *Immediate design changes (Images, colors, values, ..)*
- *Production flexibility*
- *Fast job change-over*
- *High quality, high resolution.*
- *No stocks, no risks of obsolescence*
- *Sustainable conversion (no emissions, more efficient)*
- *Opportunities in new markets/customers entries, because high quality, short runs, fast delivery...*
- *New markets..*



Thank you for your attention



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