

The PKB MASSFLO combines high speed and multi-formats in cosmetics !

The PKB MASSFLO attracted a lot of attention at the last packaging exhibition Emballage in Paris. The MASSFLO's new landmark is **the first world-wide combination of flowmeters and bottom-up filling**.

Until now, high-speed cosmetic filling/capping machines have been limited to one, two, or three formats; PKB's **new continuous rotary machine offers a multiformat, ultra-flexible solution operating at 200/400 units per minute**. The MASSFLO's **innovative filling system** is designed to handle all types of cosmetic products at a stroke, whether **pasty, semi-pasty, semi-liquid, liquid, foaming or viscous**. Thanks to the bottom-up filling, the MASSFLO can handle foaming products, and increases production outputs at the same time.

Furthermore, the choice of MASS FLOWMETER technology offers the following additional advantages:

- no retention area,
- extreme flexibility for format changeovers,
- almost no change parts (as no pumps are used) for the range of existing formats, nor are any required for future formats,
- reliable and robust technology,
- dosing accuracy,
- optimized cleaning and sanitizing and minimal effluent discharge (no tank).

FOCUS on two of the MASSFLO's strong points:

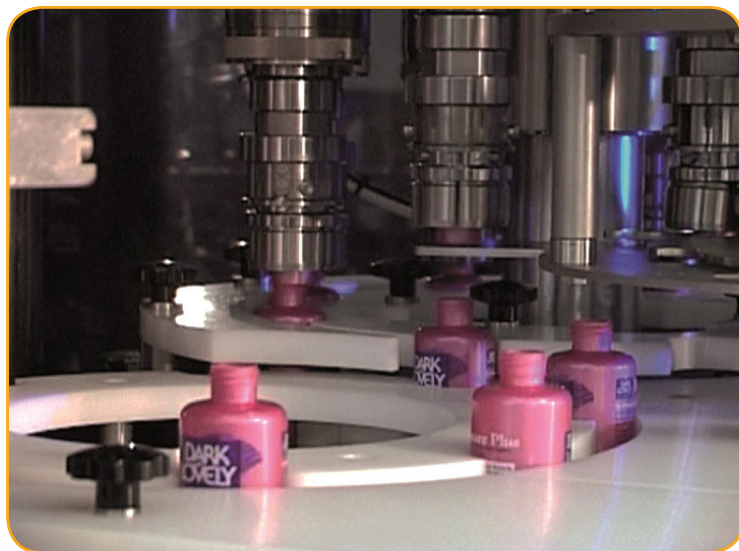
- **optimized production output:** with the smart use of servodrives, the efficiency of filling stations has increased, and only 16 nozzles/flowmeters are needed to reach 200 units per minute with 400 ml containers.



Similarly, only 24 nozzles/flowmeters are needed to achieve 400 units per minute with 200 ml containers, with consequent important benefits in terms of cleaning and minimal effluent discharge.

• **Time and cost savings for format changeover:**

- few or no format parts (centralisers/locators) on the filling system,
- quickly removable parts on the capping system,
- no need to remove the rinsing manifold. It is "pre-installed" on the machine, resulting in considerable time saving and greatly improved ergonomics,
- all other operations are performed during masked time and/or at the display.



Designed for major COSMETICS companies, the PKB MASSFLO can be used for packaging at high speed all types of products with unequalled flexibility: **hair care products** (shampoo, conditioner, hair dye, etc.), **body care products** (moisturizing milks, shower gel, liquid soap, suntan lotion, roll-on deodorant, etc.) and **face care products** (make-up remover, lotions, oils, moisturizing creams, cosmetic creams, etc.).



PKB Cosmetics, toiletry and fragrance filling lines : 1 route d'Orléans F-27930 Angerville – France
Tel. : + 33 2 32 37 96 32 – Fax. : + 33 2 32 37 89 90 – Email : pkb@pkb.fr – Web : www.pkb.fr