

# V-Shapes®

Innovative unit-dose packaging



*A powerful compact single pass print solution integrable with V-Shapes® packaging machines*

## VSdflex

Powered by **memjet**®

**ColorGATE**

INNOVATIVE SOLUTIONS  
COMMITTED TO COLOR

COSMETIC



MEDICAL/PHARMA



CHEMICAL



### High production performance at an incredible pace

Standard unwinder and rewinder capable to handle OD 600mm (23.6") with built in edge guide and splicing station to save time and reduce waste. **VS dflex** can maintain peak resolution of 1600x1600 dpi at speeds up to 27,4 m/min (90 ft/min) or 1600x945 dpi at speed 45,7 m/min (150 ft/min).

### Propriety RIP software and interface

The V-Shapes® systems are driven by ColorGATE Productionserver, an industry-leading color management and RIP solution. Perfectly complementing V-Shapes® printing hardware, ColorGATE's technology takes care of compatibility with upstream design applications, high-quality print results, consistency between production batches, spot color handling and file processing speed. ColorGATE Productionserver also enables workflow integration of the printing systems, by REST API, JDF or hotfolders.



### Reduced costs for material and production

With the latest digital printing technology, powered by Memjet Duraflex, **VS dflex** reach one of the lowest production costs on the market. Friendlier for the environment DuraFlex ink reduces production permit and waste handling costs. Combination of water based dye inks, high capability print heads, low amount of coating needed for high performance, reduce production cost.

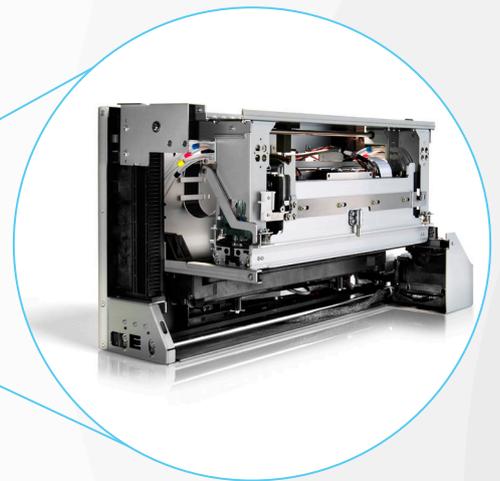


### Cloud connectivity, Industry 4.0

Seamlessly integrates with ColorGATE Productionserver, automatically process incoming jobs, compliant with Industry 4.0.



*Memjet Duraflex focus on the purity of ingredients, consistency in manufacturing, and rigorous quality control make DuraFlex inks ideal for use on other sensitive packaging.*



DuraFlex is the latest pigment-based, flexible and economical modular single-pass print system by Memjet®. Equipped with multicolor A3+ printhead to realize light productions and wide format solutions that enable printing with market-leading image quality, durability and speed.

## TECHNICAL DATA

|                         |  |
|-------------------------|--|
| Printing color          | Single Printhead   |
| Printing resolution     | 1600x1600 dpi or 1600x954 dpi                                  |
| Printing speed          | 27.4 m/min (90 ft/min) or 45.7 m/min (150 ft/min)              |
| Max media width         | 340mm / 13.4"  |
| Max printing width      | 324mm / 12.75"   |
| Max roll diameter       | 600mm / 23.6"  |
| Core size               | 76mm / 3"  |
| Min substrate thickness | 0.05mm   |
| Max substrate thickness | 0.5mm  |
| Material supported      | V-Shapes® partner compliant material, PP, PET, PS with coating |
| Ink tank capacity       | 2L or 10L tank options available                               |
| Printing platform       | high durability pigmented aqueous inkjet                       |
| Operating temperature   | 20-30°C / 68-86°F, relative humidity 30-50%                    |
| Storage temperature     | 10-40°C / 50-104°F, relative humidity 65%                      |
| Equipment dimension     | 1480mm x 1650mm x 1750mm (58.3" x 65" x 68.9")                 |
| Power requirements      | 220V   |
| Air source requirements | 6 bar  |

## FLEXIBLE PACKAGING FILMS ARTISIO MATERIAL KEY FEATURES FOR AQUEOUS INKJET PRINTING

| Product name                                 |                             | Artysio 5413  | Artysio 5443   |   |
|--|-----------------------------|---|--|---|
| Film structure (from outer to sealing layer) |                             | AQPP-w/PO-t   | AQPET-w/ALPO-t   |   |
| Grammage (total in µm)                       |                             | 94  | 113  |   |
| Coloring                                     | outside                     | white   | white  |   |
|  | inside                      | white   | metallised   |   |
| Barrier properties                           | WTR                         | 0,5   | 0  |  with best sealing properties                |
|  | DIN 53122 (73.4°F/85% r.W.) | 0.032 US  | 0  |   |
|  | OTR                         | 488   | 0  |  suitable barrier performances               |
|  | DIN 53380-3 (73.4°F/dry)    | 31 US   | 0  |   |
| Recyclability                                |                             | <br>PP | <br>other |  compatible with V-Shapes® packaging machine |



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