V-Shapes®
Innovative unit-dose packaging

V-SHAPES® DIGITAL PRINT & PACK SOLUTION

alpha Flex
Our fully-automatic, multi-lane vertical form, fill & seal machine Alpha, combined with Memjet Duraflex printing technology evolves, becoming AlphaFlex. AlphaFlex, with integrated digital high resolution printing and buffer system, will reduce time to market and cost for short-medium production runs of the innovative V-Shapes® unit-dose packs. In only one machine all the expertise in packaging of V-Shapes® together with Memjet high quality printing solutions.

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

**Versatile**
Filling volumes from 0.2ml to 38ml with multiple sizes and shapes available way to pack any type of product, whether liquid or thick

**Accurate**
Up to 0.5% filling accuracy based on product type. Multiple precision filling and dispensing systems available

**High quality design**
Single-pass print solution with CMYK with resolution up to 1600 x 1600 dpi

**Easy change set**
Changeover time under 30 minutes

**Reliable**
The performance of Alpha packaging machine with an average output up to 16,000 units per hour

**Compliant**
To any industry: Cosmetic, Food, Chemical and Pharmaceutical
**AlphaFlex** ensures high production performances at an incredible pace maintaining peak resolution of 1600x1600 dpi thanks to perfect integration with Memjet Duraflex performed by the buffer.

With the proprietary **RIP software and interface** it will be easy to reach 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.

**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.
V-Shapes®

COD. A2000

**V-Shapes® Cod. A2000**

**HALF MOON OPENING PRE-CUT**
Standard opening for thick or dense products

**DROP OPENING PRE-CUT**
Special opening to dispense liquid products through drops

**SQUARED OPENING PRE-CUT**
Ideal shape to dispense and spread products over any surface

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**PACKAGING PHASE TECHNICAL DATA**

- **Production capacity**: up to 300 units/minute
- **Max film reels dimensions**:
  - Left shaft 600mm/23.62" (Bottom semi-rigid reel)
  - Right shaft 400mm/15.75" (Top flexible reel)
- **Max film reels weights**:
  - Left shaft 130kg/330.70 lb (Bottom semi-rigid reel)
  - Right shaft 80Kg/176.37 lb (Top flexible reel)
- **Film reel consumption**: up to 5000mm/min
- **Standard seals width dimensions**: 5mm
- **Max mechanical tolerance**: +/-1mm
- **Electricals**:
  - Standard IP55, IP67 upon request
  - Electronic “On Board Equipment”:
    - PLC Siemens S7 1500T - Rockwell PLC and Environment upon request
    - 9 brushless motors
    - 1 asynchronous for loading hopper or direct dosing
    - Intelligent Power Management
- **V-Shapes® sachet dimensions**:
  - Height from 50 to 100mm / 1.969" to 3.937"
  - Width from 40 to 100mm / 1.575" to 3.937"
- **Air pressure**: 8 bar, 600 Nl/H
- **Power supply**: 24 Kw/h
- **Weight (maximum)**: 3900 kg / 8598 lb
- **Machine dimensions**: 4850 mm x 2100mm x 2000 mm (H)
  - 190.9'' L x 82.7'' W x 78.7'' H

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**PRINTING PHASE TECHNICAL DATA**

- **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"
- **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

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**ARTYSIO AQUEOUS DIGITAL PRINTABLE LAMINATES**

- with best sealing properties
- suitable barrier performances
- certified for V-Shapes® packaging machine

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**ONE SUPPLIER FOR ALL**

☑ SERVICE ☑ MATERIAL ☑ EXPERTISE

**SEAMLESSLY INTEGRATES WITH COLORGATE PRODUCTIONSERVER, AUTOMATICALLY PROCESS INCOMING JOBS**

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**DISCOVER V-SHAPES® Srl**

AlphaFlex Machine and 3D Configurator

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**V-SHAPES® Srl**

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