

## MONOBLOCK & FLEXIBLE PACKAGING SYSTEMS

The **SMART** series introduce a new Monoblock frame and flexible packaging system concept.

The most flexible configuration and the most reduced footprint on the market want to be the next milestone for our customers and the next future.

The **SMART** series is the NEW FORM FILL AND CLOSE machine of ABRIGO.

### AVAILABLE ACCESSORIES AND CONFIGURATION:

- Pre-cut carton storage with integrated buffer (manual / semi or fully automatic fitting)
- Integrated forming unit or bottom wraparound system
- Conveyor with vacuum technology
- SL Lateral transfer of products (Side loading) by ABRIGO robots
- TL Top loading management of the products by ABRIGO robots or third OEM Parts
- WA Wrap around management of the products by ABRIGO system
- New generation of compact Abrigo 2 axis robots with carbon arms
- Small Footprint and compact total height of the frame
- Fast changeover fittings
- Vision systems integration
- NEW HMI GRAPHICS
- INTERACTIVE DOC 2.0
- REMOTE CONTROL
- HMI MIRRORING MODE
- ADVANCED REALITY KPI's MANAGEMENT

### APPLICATION FIELDS:

- Top loading management of the products
- Tilt loading management of the products
- Naked products picking
- Primary and secondary package product management
- Feeding application for Flow Pack / Form fill and Seals machines
- Integration with external device (forming/closing/labelling/weighing)

### TECHNICAL DATA

Control system and accessories.	PLC (SIEMENS / ROCKWELL / SCHNEIDER / ABRIGO), touch screen control panel, remote assistance, AR, INTERACTIVE DOC 2.0, HMI MIRRORING
Marking	CE, CSA, UL
Payload (robot)	3-90 kg
N° of axis (robot)	2-6 axis
Ppm	Up to 500 pc/min
Footprint	2200 (W)* x 3000/6000 (L) x 2200/2450 (H) mm

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## MONOBLOCK & FLEXIBLE PACKAGING SYSTEMS

The SMART Series concept aim to give an affordable solution for all the FORM, FILL & CLOSE demand and answer to all the food / pharma / cosmetic compa- nies who need the best solution at the most competitive price.

The SMART Series module frame is available in stainless steel for clean room as well.

All the engineering concepts are focused to improve:

- Flexible configuration
- Fast changeover
- Reliability

Furthermore, different kind of robots combining high speed picking, medium payload and sturdy construction. This also allows to use robot tools, that can include the function of changing the arrangement of the pieces from picking to placing, without losing anything in speed. Also, the robot tool can be easily repla- ced.

The electric panels are located on the top of the cells which is the most safe position during the machine cleaning

