



Rotary Extrusion Blow Molding Systems

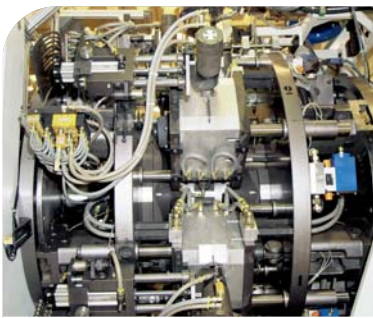


# MSC SERIES

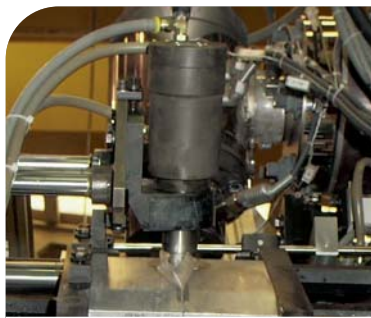


MECHANICAL ROTARY EXTRUSION BLOW MOLDING SYSTEMS for bottles with a capacity of up to 10 liters made from HDPE, PP, or other materials used in multi-layer applications (EVOH, polyamide, adhesives, etc.).

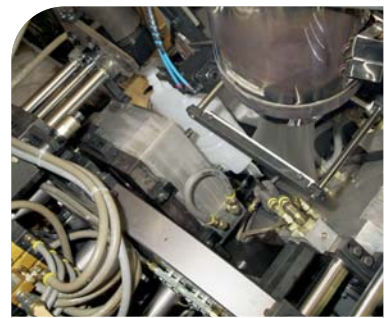
- RADIAL mold arrangement on the rotary plate.
- Versatility in order to blow any size of bottle.
- Blower/calibrator blow molding system (in exceptional cases, blow needle-based molding).
- Parison cut done with shears/soldering iron.



Rotary wheel, where the molds are placed in a radial arrangement.



Calibrating blowing system.

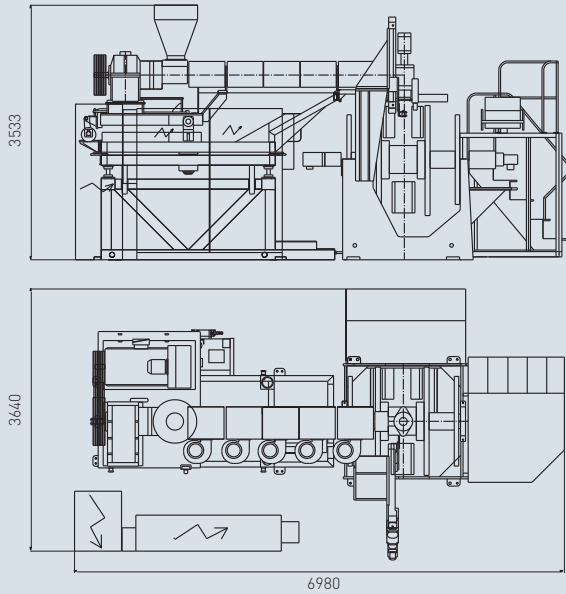


Picture of the final molding cycle phase.

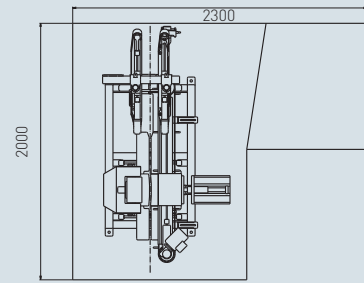


# GENERAL DIMENSIONS

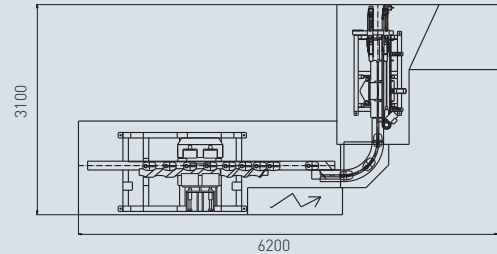
MSC-6 model (without deflashing unit)



Transfer and 1 cutting unit deflashing system



Transfer and 2 cutting units deflashing system

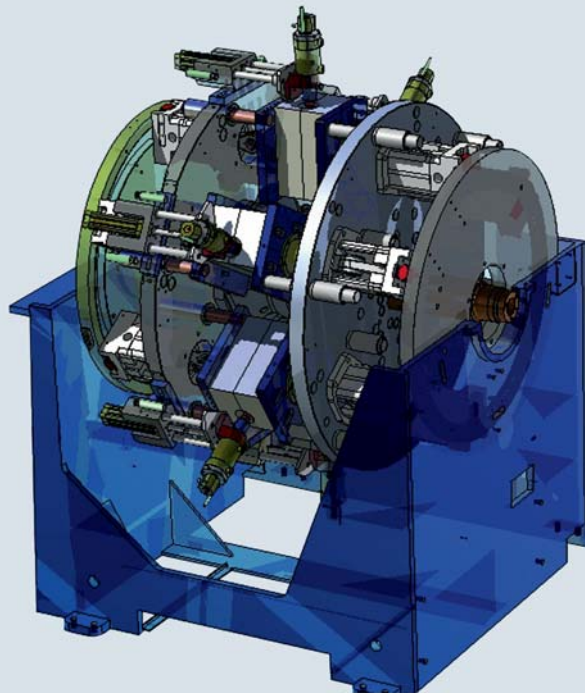


# RELEVANT CHARACTERISTICS

- Centralized lubricating system.

- Automatic start.

- Integrated control system, including a parison thickness controller, with a display interface for process parameters.



- Deflashing unit with cutting system, using minimal tools.

- Adaptation for containers with view stripe liner (optional)

- Integrated hoist.

## GENERAL TECHNICAL SPECIFICATIONS

	MSC-4		MSC-6-S		MSC-6
<b>Bottle Dimensions</b>					
Maximum Capacity (cc)	10.000		2.000		10.000
Maximum Diameter (mm) [L/D]	200		150		200
Maximum Height (mm)	370		300		370
<b>Blow Molding Wheel</b>					
Number of Cavities	4		6		6
Maximum Mold Opening (mm)	240		210		240
Mold Closing Force (kg)	9.000		5.000		9.000
<b>Maximum production bottles/h</b> [Depending on the type of bottle]	1.200		1.400		1.800
<b>Extruder</b>					
Screw dimensions (mm x L/D)	Ø90x25	Ø100x22,5	Ø90x25	Ø100x22,5	Ø114x25
Plastification capacity for PEHD (kg/h)	190	240	190	240	340



## COEX Application for Multi-Layer Bottles



The application of coextrusion systems for multi-layer bottles is enormously simplified with the use of ROTARY machines, since only one head is needed, regardless of the number of molds.

### Most Common Configurations

- 2-layer bottles with 2 extruders.
- 3-layer bottles with 2 or 3 extruders.
- Bottles of up to 7 layers with materials with barrier properties and materials joining the main material.



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