

A more **E**cological
and **E**conomic way
to make PET
containers



[6 x 2 litres]

[2.10 x 3.85 m]

URBI-6
THE **E**CO-MACHINE

Compact Pet Container Blowmoulding Machines



urola



URBI 6, the new generation of UROLA's ECOmachines, has 6 moulds in a linear configuration, capable of reaching a production in the region of 9,000 b/h. One of its key characteristics is its **very low carbon footprint**, offering the following **RELEVANT CHARACTERISTICS**.

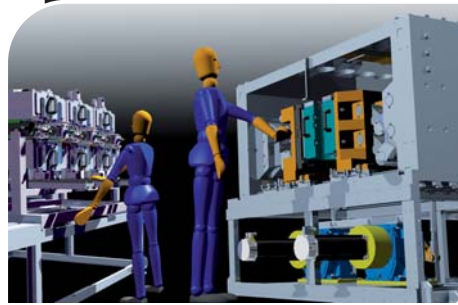
ECOEFFICIENCY



- A 20% reduction in compressed air consumption*
- The recuperation of blown air eliminates low pressure air consumption and reduces its consumption in pre-blowing.
- The system reuses electric energy to optimise the consumption of the servomotors.

[*] Compared to previous models. Depends on the container volume.

COMPLETE ACCESSIBILITY AND ERGONOMICS



- A complete block system for feeding ramps.
- Extractable oven blocks facilitate lamp replacements.
- Complete access to the moulds' block (shell-mould block system) in a very ergonomic position, with an integrated support table.
- Single-block system for guiding stretch rods and seals.
- Centralised pneumatic high and low pressure panel *

[*] Except for mechanisms requiring high-speed responses.

MINIMUM SPACE IN PLANT



- Blower size: 2.10 x 3.85 m.
- Productivity: 0.9 m² / 1000 e/h.



MAIN SYSTEMS

- An evolved heating system that expands the heating capacity. All preforms remain the same amount of time in the oven.

- The stretch-blow system

- Servomotor controlled mechanisms guarantee repeatability of position and movements.

- Settings are adjusted on the application by loading the parameters on the recipe.



- Press

- Servomotor controlled mechanisms with adjustable settings on the application.

- Compressed air compensation system.



- The transfer of preforms and container extraction

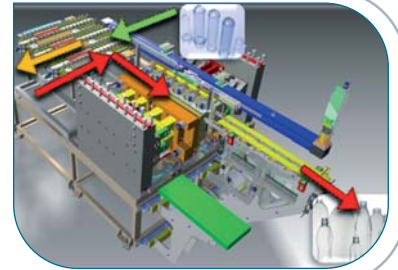
- One single servomotor-controlled robot to transfer preforms to the press and to remove the containers from it.



THE INNOVATIVE L CONCEPT

The L design grants it some key advantages:

- It simplifies the preform transfers with a single movement between the oven and press, maintaining the distance between preforms constant during said transfer.
- The preforms are transferred and containers extracted via a single system.
- A reduction in the number of tools required per format and a reduction in time needed for format changes.
- A reduced space taken up at the machine's site.



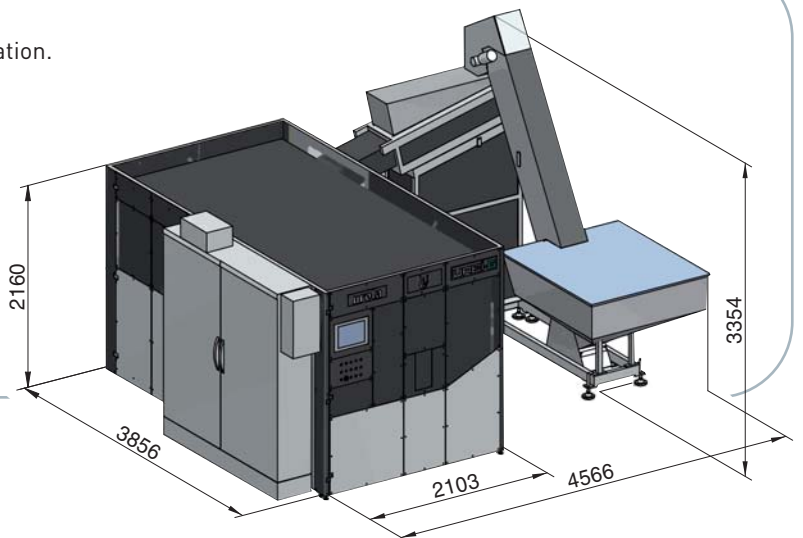
CONTROL / COMMUNICATION

- Field bus communication system.
- Improved communication speed allowing for optimising the cycle.
- The system reuses braking energy to optimise the energy consumption of its servomotor.
- Machine with a Remote Control.



INSTALLATION / LAYOUT

- "Pick and place" concept, facilitating mounting and installation.
- A single pneumatic connection.
- Retractable dosing system for transport.
- 3 available hopper positions.
- Very reduced space taken up on site.



GENERAL TECHNICAL SPECIFICATIONS

| | | |
|--------------------------|------------|------------------------|
| Number of cavities | 6 | |
| Maximum container volume | 2 litres | |
| Maximum container size | Diameter Ø | 120 mm |
| | Height | 350 mm |
| Inner neck diameter | Minimum | 20 mm |
| | Max | 33,4 mm (neck 38mm) |
| Output (*) | 10.000 b/h | |

(*) Depending on container type

A Complete Service from Beginning to End

Bottle Design Advice

Our service begins by providing the client with advice regarding the bottle's design, while taking the following factors into account:

- Product to be bottled
- Aesthetic aspect
- Functionality
- Technical characteristics
- Determining limitations in the filling line



Mold Design and Manufacture

The mold plays a key role in the project's success. Because of this, we at UROLA integrate the entire process, from the mold idea and its design to its manufacture.

Post-Sales Service

- Training for the client's personnel at Urola's and the client's facilities .
- Equipment installation and setup at the client's facilities.
- After-sales advice and service, with the possibility of remote online connection via modem or via Internet.
- Preventive Maintenance Service and Diagnosis.



UROLA, S.C.

Urola Kalea, s/n - Apdo 3

20230 Legazpi (Gipuzkoa) SPAIN

Teléfonos (34) 943 73 70 03 - Fax: (34) 943 73 09 26

e-mail: info@urolasolutions.com

www.urolasolutions.com