



# DRYER

## BOTTLE DRYING SYSTEM



### **WORKING PRINCIPLE:**

In the highly competitive market of the Beverage Industry, product packaging aesthetics is almost as important as the quality of the beverage that is inside. Matrix Drying System is designed to dry the container in order to achieve correct labeling and packaging performances, to be not compromised by water used in the packaging process. Matrix Dryer if properly sized can guarantee moisture removal avoiding problems with sleeve labeling, paper or OPP roll fed labeling, crown drying, safety sealing, stress corrosion, hygiene, ink jet coding, shrink wrapping or cardboard packing. Available in a variety of standard configurations (6 Dryer models from 1 to 6 blowers) to suit the major drying problems in the Beverage industries. The bottles are blown and dried by suitably positioned and programmed Air Knife at 0,12 BAR pressure. The air is produced by blowers mounted inside the machine base and it becomes warm by compression, reaching approximately 60°C.



**APPLICATIONS:** PET, Glass and Cans bottling lines.

**OUTPUT RANGE:** Various model are available from 1 Blower up to 6 Blowers for line speeds from 3.000 to 50.000 BPH.

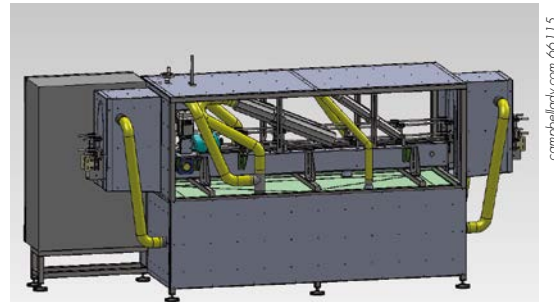
# DRYER

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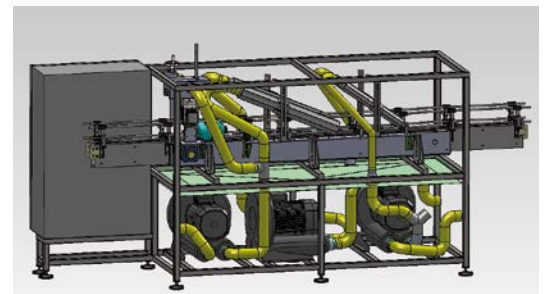
www.matrix-srl.com



**DRYER 6** - 50.000 BPH



**DRYER 3** Special with cover.



**DRYER 3** Special under the covers.

### DESIGN FEATURES:

- Manufactured of stainless steel AISI 304;
- Top cover, with space saving doors;
- Drip Tray to collect the dispersed water;
- Special acoustic packs to reduce noise to legislative levels;
- All components mounted on a rigid, stainless-steel base plate;
- Frequency-controlled centrifugal blower;
- Single impeller Centrifugal Blower directly connected to the motor shaft, providing powerful force without undue friction;
- Low-maintenance, oil-free design Blower;
- Aluminium Air Knife system provide clean, precise air flow for any application;
- Easy & intuitive operation.

### MODELS:

- DRYER 1
- DRYER 2
- DRYER 3
- DRYER 4
- DRYER 5
- DRYER 6

### USER BENEFITS:

- High Performance DRYING;
- A Range of standard Solution;
- Stainless Steel Construction;
- Small Foot Print;
- High Reliability.



Bottle Neck Dryer.

### ADDITIONAL EQUIPMENT:

- NECK Dryer System;
  - BOTTLE TURNING System.
- In the drying tunnel the bottles are forced to turn on themselves by a special conveyor formed by two coupled chains: one in direction and the other one in reverse rotation.

### Bottles & Cans drying System mod. DRYER

Model	Installed Power (Kwatt)	Machine Length (mm)	Machine Width (mm)	Machine Height (mm)	Indicative Capacity for Glass bottle LINE (BPH)	Indicative Capacity for PET bottle LINE (BPH)
<b>DRYER 1</b>	6	1500	800	1800	3.000	5.000
<b>DRYER 2</b>	11	2200	800	1800	6.000	12.000
<b>DRYER 3</b>	17	2200	800	1800	9.000	18.000
<b>DRYER 4</b>	22	2850	800	1800	12.000	24.000
<b>DRYER 5</b>	28	4500	800	1800	18.000	36.000
<b>DRYER 6</b>	33	5000	800	1800	24.000	48.000

All data are indicative.



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