



DE.MA.S.R.L.



TECHNICAL DATA SHEET TLP-1000

DE.MA S.R.L. - VIA CAIO PLINIO 19 – 22030 - ORSENIGO (CO) – ITALY - P.IVA /C.F: 02204930131

TEL: +39 031 61 98 16

CONTACT: INFO@DEMAURI.COM

WEB: WWW.DEMAURI.COM

DESCRIPTION:

The plate washing Tunnel is suitable for washing all the plates that make up the chocolate dosing heads for the various production steps.

The operator manually loads the various types of plates into the machine through the front door and slides them along Delrin guides of appropriate size based on the type. The washing and drying cycles are fully automatic and can be selected from the operator panel on the front of the unit.

The machine is made entirely of AISI 304 stainless steel with the exception of the gear motor unit which is protected by an appropriate casing.

The machine consists of:

A supporting structure, with the lower part consisting of two water collection tanks for washing, including:

- hermetically sealed one for clean water to avoid leaks
- one open at the top inside the machine for dirty water.

The upper part is fully openable, with bolted doors on three sides (side and rear), while on the front there is a hinged loading door with a spring-loaded pressure lock.

- A system for moving the internal trolley carrying the plates to be washed, with a laterally mounted gear motor with a pinion shaft with racks to move the system alternately (forwards and backwards).
- Pipes for washing the plates, with special pneumatic valves at the upper and lower spray nozzles via the pump.
- Water loading pipes to the two tanks: recirculating and disposable with respective pneumatic valves.
- Compressed air delivery pipes for drying the plates through the same nozzles used for washing.
- Lower pipes for water suction from the two tanks via the pump and for draining for total emptying with special pneumatic valves.
- Management and control with operator panel.



OPERATING PRINCIPLE:

The plate washing Tunnel is suitable for washing and drying all types of plates that make up the chocolate dosing heads and can be configured according to the type of plates used.

The plates are loaded manually or using a special trolley, by the operator opening the front door protected by a safety micro switch, acting on the spring knob.

Depending on the type of plate to be washed, it is necessary to check that the plate support group inside the machine is suitable.

To determine the type of guide, see the table specifically created for the type of system.

Once the plate to be washed has been inserted, the desired recipe must be selected on the panel; the machine, in automatic operation, will perform the washing and drying cycle for the latter.

Once the washing and drying cycle is complete, the trolley will return to the 0 position, allowing the operator to remove the properly washed and dried plate.

TECHNICAL DATA SHEET:

DESCRIPTION

Lenght

Width

Height

Power Supply

Installed Power

Compressed Air Supply

Automation Compressed Air Flow

Drying Compressed Air Flow

Hot Water Flow Rate 65°C.

Total Weight

DATA

2.300 mm.

1.650 mm.

1.800 mm.

220/400 V 50Hz

3 KW.

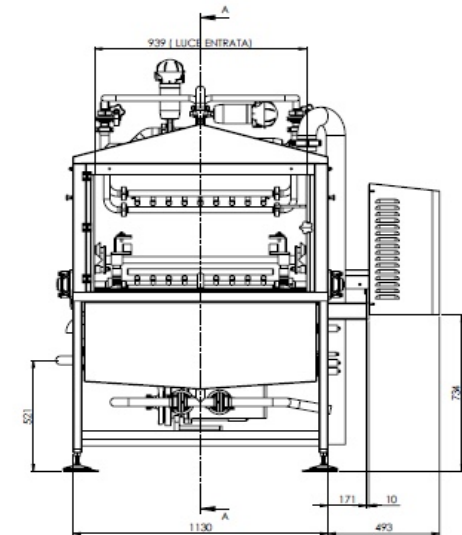
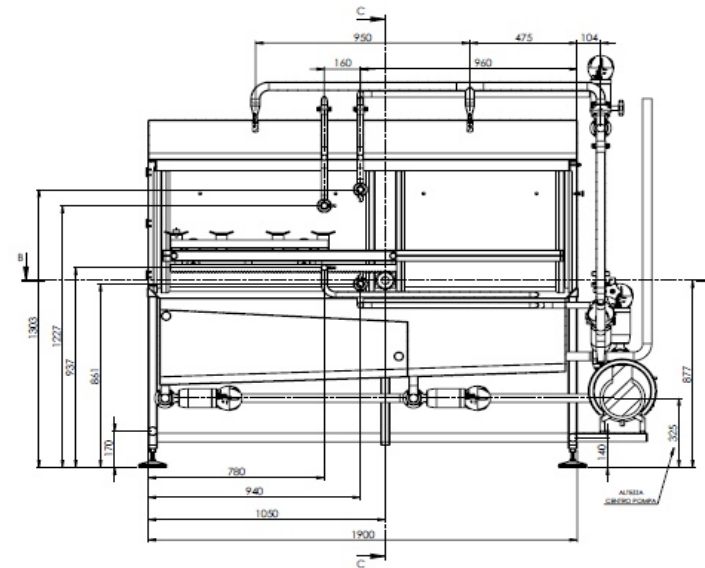
6/7 bar

100 Nl/min

750 Nl/min

2.500 lt./h.

800 kg



B



BENEFITS:

- Safe, efficient, rapid washing and drying cycle that can be configured according to the dirt to be removed;
- Risk of staff injuries drastically reduced;
- Manual operations drastically reduced;
- Reduced labor thanks to the machine's rapid cycle times;
- Configurable according to the plates to be washed;
- Easy to understand and use software and operator interface;
- Compact size;
- Installable options;



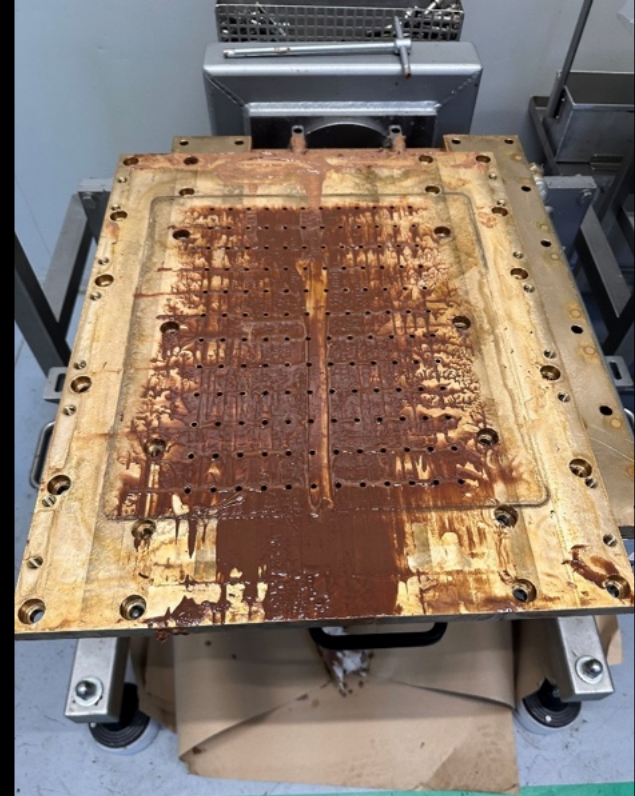
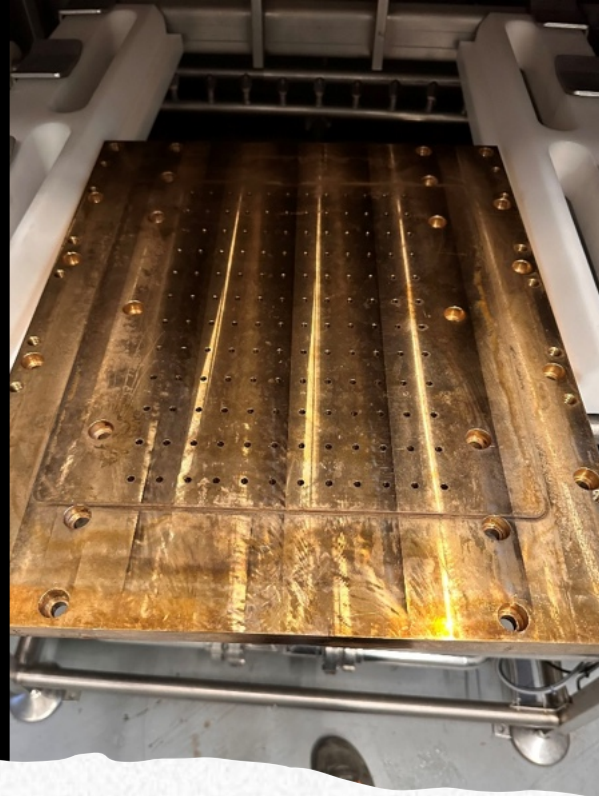
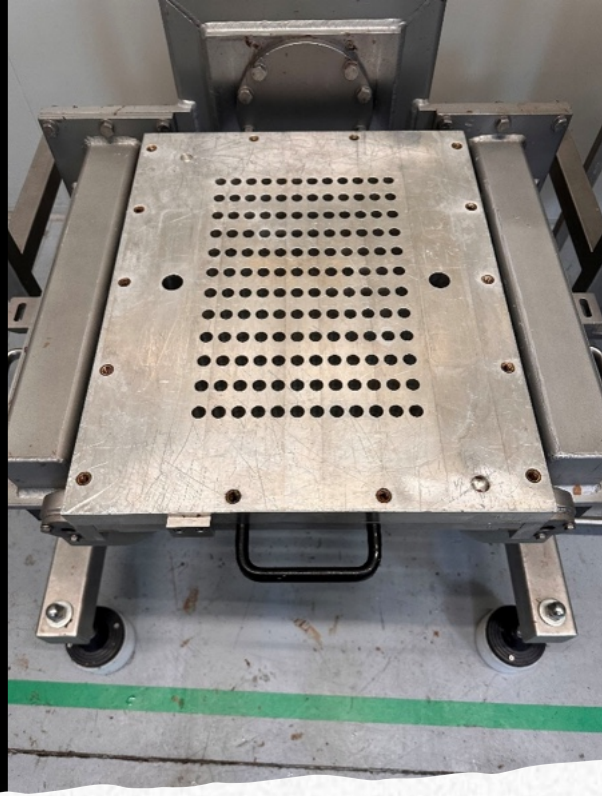
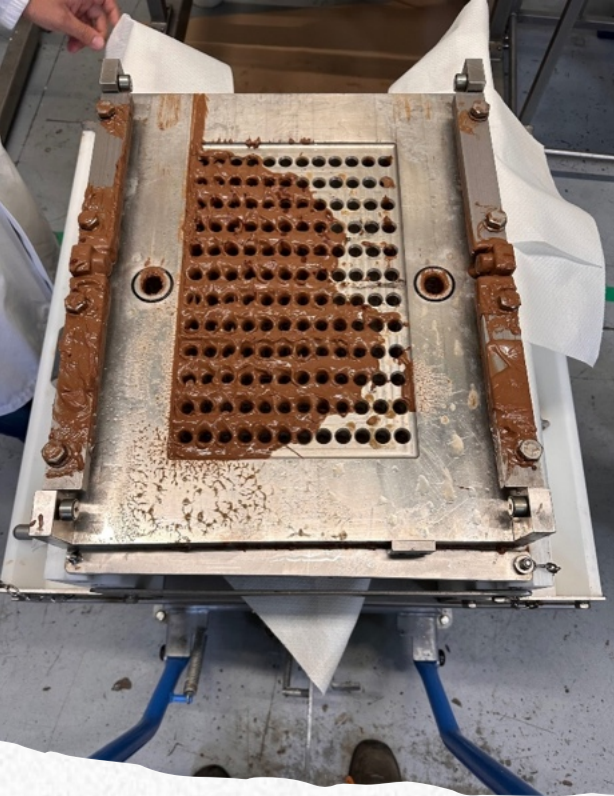
OPTIONS:

- Filter washing system integrated into the machine, with waste washing recovery water inside the machine;
- Washing vapour recovery pipe;
- Dosing system for washing solutions (rinse aid - various detergents - sanitizers);
- Accessories for handling and dismantling plate groups
- Lower insulation for clean water and waste water tanks;
- Inlet water filter.

THE PHOTOS ARE INDICATIVE:

- With Optional Integrated Filter Washing System





RESULTS

SOME OF OUR REFERENCES:

