

Pasteurization of ready-to-eat meals

Microwave by STC



The **Microwave by STC** is designed for thermal treatment at microwaves in continuous for the pasteurization of vegetable alimentary products, packed in appropriate sealed bags or trays, with a productive capacity of about 50 kg/h (the productive capacity varies depending on the treated product and on the initial contamination grade). The plant is complete with final cooling section.

COMPOSITION

- Tubular frame and panels in stainless steel AISI 304;
- Conveyor belt, modular structure in plastic material for alimentary use, width 300 mm;
- Thermal treatment tunnel tubular frame, roof, base, panel, lateral hatches and treatment tunnel with plangent cavity, all in stainless steel AISI 304;
- Microwave generators (magnetron), complete with electronic feeding and interface to the electrical cabinet.
- Exit head integrated in the rear part of the cooling chamber.
- Service board inclusive of electric and electronic components of command, control and protection.
- Panel of command, control and signaling of anomalies in the machine.

TECHNICAL SPECIFICATIONS	
Installed Power (kW)	21 ca.
Length (mm)	4800
Width (mm)	800
Height H (mm)	1920
Weight (mm)	1500

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Further specifications and microwave utilities

Service board and control panel

Service board including electric and electronic control and protection components. Control panel, control and anomaly detector alert of the machine. Main functions:

- "on - off" push-button for power supply, conveyor belt advancement;
- "Reset" push-button;
- Emergency push-button;
- Controller (PLC) and supervision through remote PC for automated handling of the plant.



Components, safety and conformity equipment

The used components are selected among the best international brands and are proportionate to guarantee a high reliability.

All safety devices are provided.

The electric and electronic setup has been realized according to the CEI-IEC norms.

The plant is CE marked.