



* In this picture, the tunnel's insulation is missing.

GENERAL INFORMATION

The continuous microwave heating system is designed for efficient heating of stone granulate to temperatures of up to 200 °C. The system features five 6 kW microwave generators with individually tunable applicators to maximize energy transfer into the material. Integrated microwave absorber sections minimize radiation leakage, while a hot-air system provides additional process temperatures of up to 200 °C for optimized heating performance. Material is continuously transported through the system on a high-temperature, microwave-transparent conveyor belt, enabling uniform and energy-efficient processing.

The system can be customized and optimized to meet individual customer requirements and application needs. Please contact us.

FEATURES

- Water-cooled
- High efficiency magnetron system
- Low noise SMPS with low ripple anode current for high reliability
- Hot air system
- Sensors for process monitoring (pyrometer for temperature monitoring, temperature monitoring air in)

SPECIFICATION

Electrical and Technical Data

Output power, frequency	5 x 6 kW, 2.45 GHz
Supply voltage	3 x 400 V AC, +N+PE, 50 Hz
Total connected load	max. 74 kVA
Current consumption	106 A
Air heater	15 kW
Supply air fan	5,5m ³ /min

Cooling

Water cooling

Cooling capacity	21 kW
Water flow	min. 50 l/min
Inlet water temperature	20 °C - 25 °C

Mechanical Data

Dimensions of housing (WxHxD)	6430 mm x 2290 mm x 1280 mm
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