

UHF-BOX Microwave Module 205



The UHF Box solution. The trend-setting addition to existing vulcanization and production lines.

The UHF Box solution offers focused microwave technology in a compact design with unprecedented and novel features.

The box is equipped with 2 UHF units of 3 kW power. This new type of microwave enables high energy densities, which are locally targeted into the product.

The UHF units are offset from each other and rotatably mounted. This allows 360° coverage of critical areas in profiles.

Increase your production and quality goals and target UHF energy where it is needed most. Even shadows caused by metal cores or products with mixtures of different polarities can be targeted and heated.

The required process reproducibility is ensured by the integrated recipe management. According to this, you store the positions of the UHF units and the required outputs depending on the product and the required production speed.

The box operates with guided wave technology, where even low-polarity mixtures can be heated efficiently by focusing the microwave radiation.

Use the UHF box flexibly wherever additional UHF heating is needed. Due to its compact design, it can be used flexibly and is quickly ready for use without major installation effort.

It has never been easier to get energy into your products. Use the UHF box to influence where the UHF radiation should act and control a heating process that was previously difficult to control.

MACHINE FEATURES

- Compact design
- 360° product coverage
- Closed, self-sufficient system
- Frontal adjustable material guide

MACHINE DATA MICROWAVE MODULE 205

Module dimensions L x W x H	1,2 x 1,2 x 2,3 m (incl. signal light)
Decentralized mobile electr. supply	230/400 V, 3ph, PE+N
Machine design	CE-conform
Profile dimension W x H	66 x 55 mm
Central exhaust air connection	DN 80
Roller guidance	Over the entire length
Production height	1000mm or customer wish
Machine color	RAL 5005
Water filter	attached

ESSENTIAL STANDARD EQUIPMENT

Cover opening	Manual
UHF-power (Standard)	6 kW (2 x 3 kW)
Cooling power supply	Air
Cooling Magnetron	Water
Motorized shorting plunger	Yes
Reflection display	Yes
Magnetron protection	Isolator technology
Switch cabinet	Mobile
Machine operation	Touch-Panel Siemens
Control	PLC Siemens S7-1200

SPECIAL EQUIPMENT

- External control
- Remote service
- PLC and touch display Allen Bradley
- Machine color according to customer wish
- Switch cabinet with air condition



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