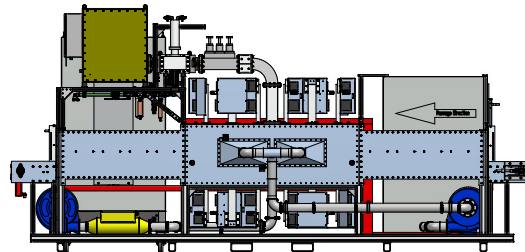
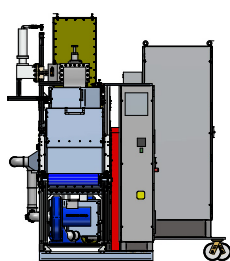
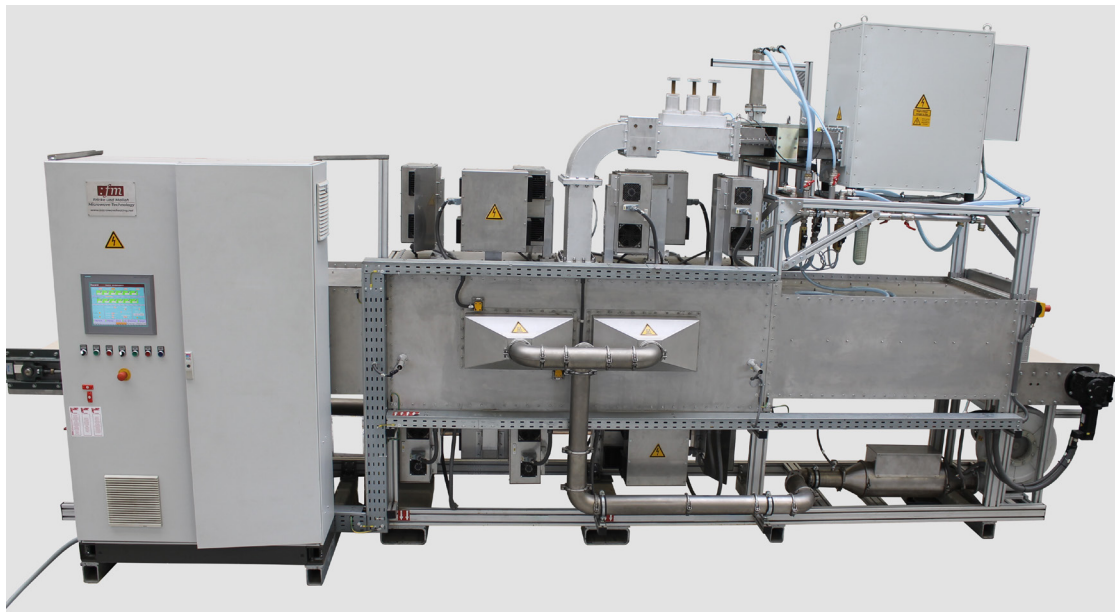


Mobile Test Hybrid Microwave Tunnel

12 kW / 2450 MHz & 60 kW / 915 MHz



Application

For the practical and professional microwave drying tests with microwaves (up to 200° C) and hot air (up to 80° C) our up-to-date mobile Hybrid Microwave Test Tunnel enabling us to determine all the required process parameters for example the microwave power as a function of the throughput and temperature (process design). The tunnel is mobile and can be rent for tests at our site or in almost any other place.

Housing

- Frame made of aluminium profiles
- Symmetrical installation of the microwave generators below (6) and above (6) the conveyor belt
- Very robust and easy to transport

Dimensions

Usable length	2000 mm
Usable width	600 mm
Usable height	117 mm
Total length	6017 mm
Total width	2500 mm
Total height	2840 mm
Weight	ca. 3500 kg

Technical Data

Generator	Magnetron-Technology	
Frequency Range	2445...2470 MHz	900...930 MHz
Microwave Power continuously adjustable	12 x 1 kW	1 x 60 kW
Supply voltage	3 x 400 V AC, 50 Hz	
Total connected load	max. 54 kVA	
Belt speed	adjustable 0.1-3.0 m/min	
Hot air heating	max. 3000 m³/h, heating ≤80° C	

- Conveyor belt coated with Teflon and is temperature resistant up to 200°C. The oscillation mode can endless seesaw oscillate enabling the practical determination of the required and optimal length of the microwave zone
- Exhaust and heating system, tube Ø 100 mm, connection for emission stream measurement
- Non-contact measurement of the surface temperature using four IR pyrometers
- PLC including Touch Panel 12"
- Easy programming of recipes for the Automatic Operation Modus
- The penetration depth of the microwaves and the temperature distribution in the product can be determined experimentally using a fiber-optic, 8-channel temperature measuring device