



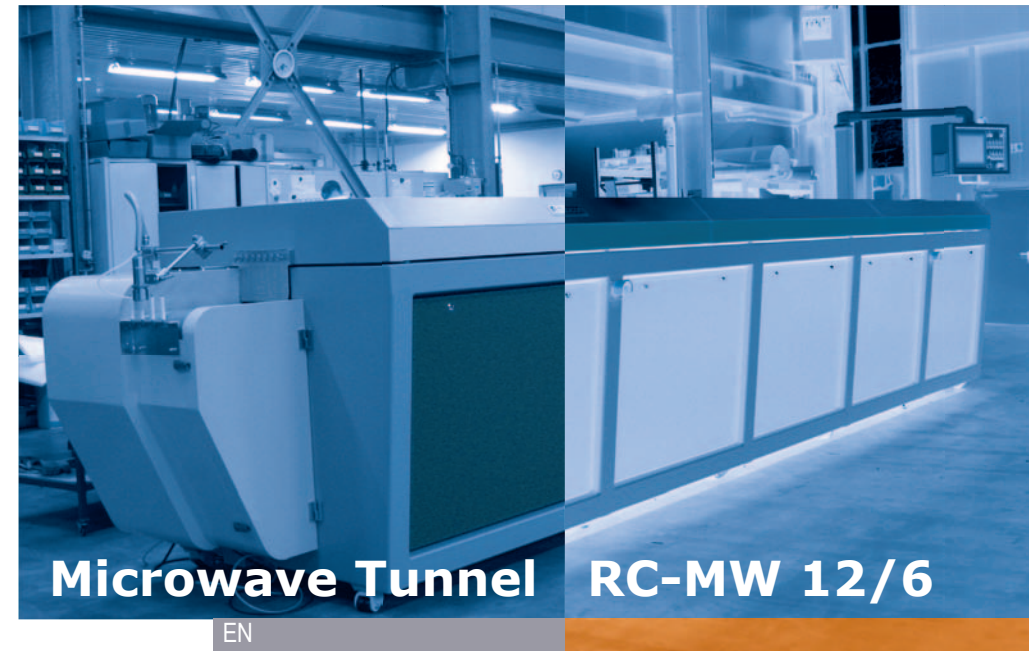
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## Tailor-made Rubber Extrusion



**Microwave Tunnel**

**RC-MW 12/6**

EN

The microwave tunnel was developed as part of the support program INNO-WATT of the BMWi (FuE-Project reg.-nr. IW073010).

# rubicon Microwave Tunnel RC-MW 12/6

The tunnel, which is used for the continuous vulcanization of rubber profiles, is characterised by a high speed of vulcanization and a low energy consumption.

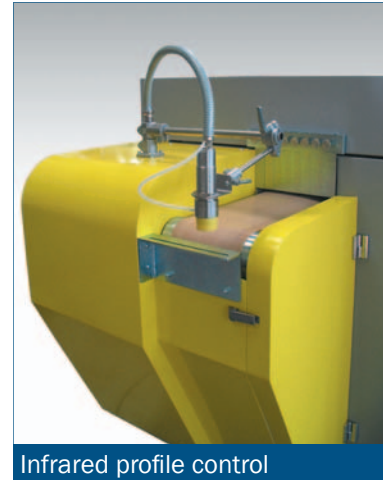
The microwave vulcanization is particularly suitable for rubber profiles with irregular cross sections.



Operating panel

## Characteristics

- the microwave channel is geared to the constant heating of the profiles
- the rubber surface is additionally heated by hot-air circulation
- the variable power control provides a high flexibility of the line
- the special energy feed-in produces a particularly homogeneous field
- the magnetrons are protected by 3-stub-motor-tuners and circulators

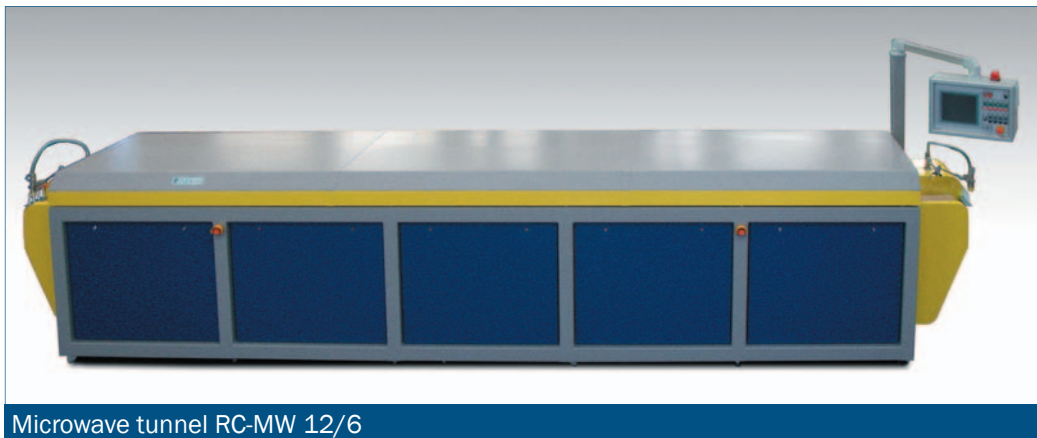


Infrared profile control

## Types

- 12, 18 or 24 kW microwave power
- Special designs on request

For final curing rubicon offers 12 m hot-air tunnels in corresponding design.



Microwave tunnel RC-MW 12/6

## Technical Data

### Microwave:

Power: 6 x 2 kW = 12 kW, continuously adjustable  
 Frequency: 2,45 GHz  
 Cooling: water-cooled  
 Incoupling: slot wave guides  
 Tuning: 3-stub-tuners  
 Magnetron protection: circulators

### Hot-air:

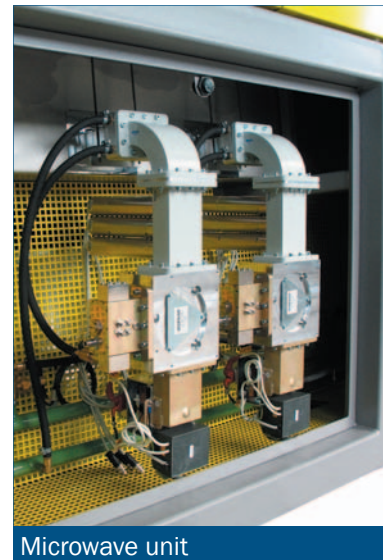
Heating power: 18 kW  
 Temperature range: 100 - 260 °C  
 Fan: 1,5 kW  
 Method: reverse flow

### Conveyor Belt:

Aperture: approx. 220 x 110 mm  
 Belt speed: 2 - 35 m/min continuous  
 Belt material: PTFE-glass fabrics  
 Belt drive: 1,1 kW - gear motor

### Dimensions:

Length: approx. 7 100 mm  
 Width: approx. 1 400 mm  
 Height (open): approx. 2 150 mm  
 (close): approx. 1 350 mm



Microwave unit