



ROMILL

NSR PREHEATER

Make your production flexible and reduce preheating costs

ROMILL NSR PREHEATER is a **unique microwave technology for efficient preheating of natural and selected synthetic rubbers**. With the microwave technology, you can achieve fast and uniform heating, save costs, improve the quality of rubber compound, implement Just-in-time and Industry 4.0



Reduces production costs

Microwave heating is more efficient and **reduces production costs**.



Increases eco operation

Using green energy eliminates the need for natural gas at this node. **Lower power consumption** when compared to hot rooms, lower carbon footprint of final product.



Just-in-time ready

Whole wrapped pallets with rubber are **preheated in just 40 minutes** for immediate processing. Saves storage space and prevents energy losses.



Automated, without operator requirements

Runs without operator presence. Rubber is automatically heated to the desired temperature.



Accelerated mixing

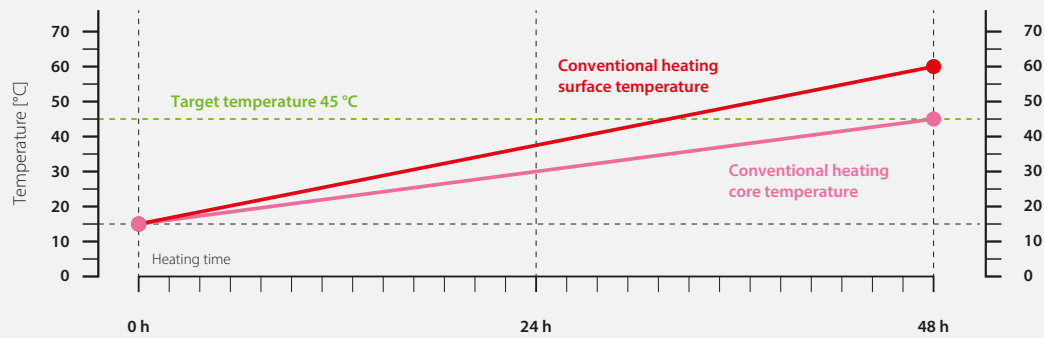
Shorter mixing cycle and less wear and tear on the mixer. Eliminates damage caused by frozen rubber.



High heating homogeneity

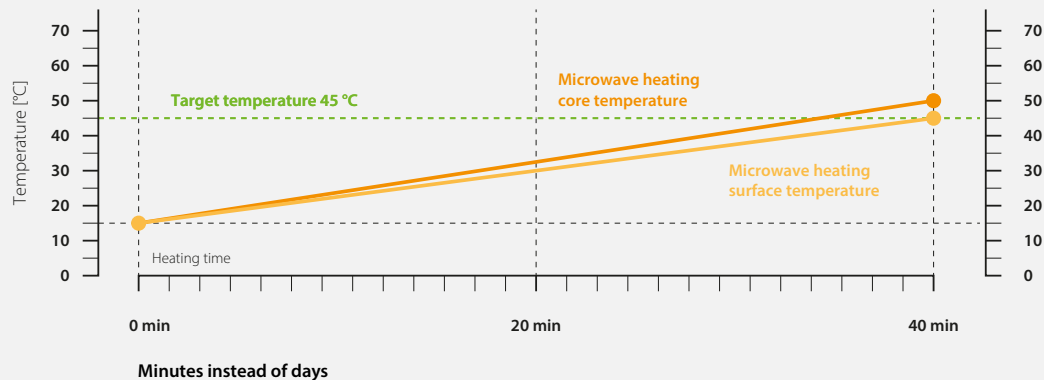
Microwaves heat the material evenly. The temperature is homogeneous throughout the whole pallet.

Hot rooms: heating from 15 °C to 45 °C takes up to 48 hours



48 h

NSR Preheater: heating from 15 °C to 45 °C in less than 40 minutes



40 min

Simplified for clarity

Technical specification

NSR PREHEATER	
Dimensions (w × d × h):	2 900 × 12 500 × 4 500 mm
Weight:	ca 8 500 kg
Number of magnetrons:	96
Magnetron type:	1 kW/2 450 MHz
Total nominal microwave power max.:	96 kW
Total electrical consumption max.:	150 kW
Electrical connection:	3+N+PE 400/230 V 50 Hz
Ambient temperature:	+15 to +35 °C, non-condensing humidity
Certification:	CE declaration of conformity

The equipment can be customized according to the customer's wishes and requirements.