



ROMILL

GT PREHEATER

Revolution in curing for progressive Agri, OTR and TBR tyre manufacturers

ROMILL GT PREHEATER is a **unique microwave technology for efficient preheating of green tyres before curing**. Microwaves deliver fast and uniform heating while significantly reducing the curing time. GT PREHEATER increases productivity and enables the implementation of Industry 4.0



**33% increase in press production**

Microwave technology **reduces the curing time by a quarter**. One machine can supply six presses.\*



**Automated, without operator requirements**

**Runs without operator presence**. Automatic operation based on barcodes.



**Adapts to the semi-finished product**

**Easily adapts** to various green tyres, moulds and presses.



**High heating homogeneity**

**Microwaves heat the material evenly**. The temperature is homogeneous throughout the tread depth. Preheating prevents undercuring and causes no structural defects.



**Increases eco operation, reduces costs**

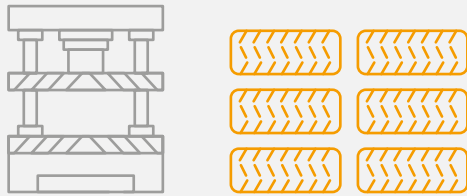
Using green energy **reduces gas requirements**. The final product leaves a lower carbon footprint thanks to microwaves. At the same time, **production costs are reduced**.



**Just-in-time ready**

Technology **supports just-in-time production**. The material is always ready exactly on time. Microwaves don't mind unexpected changes in production.

**Current production**  
OTR 20,5 R 25 – 400 kg  
**6 tyres in 24 hours**

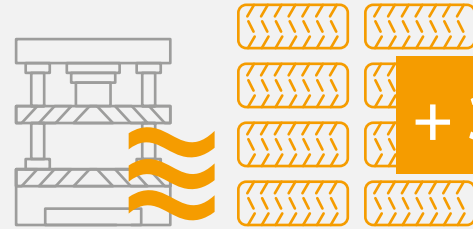


Curing a 400 kg OTR tyre **takes 4 hours**



**Production with GT Preheater**  
OTR 20,5 R 25 – 400 kg  
**8 tyres in 24 hours**

1 microwave can supply 6 presses



**+ 33 %**

Curing a 400 kg OTR tyre **takes 3 hours**

## Technical specification

	Preshaped	Preshaped / Unshaped
Dimensions (w × d × h):	5 000 × 4 300 × 4 700 mm	5 000 × 4 300 × 5 900 mm
Weight:	12 500 kg	14 000 kg
Output temperature:	approx. 85 °C according to the rubber compound	
Preheating time incl. manipulation:	20–30 minutes depending on article and initial green tyre temperature	
Max. green tyre weight:	1 500 kg	
Min. green tyre dimensions (ø / h):	950 mm / 350 mm	
Max. green tyre dimensions (ø / h):	2 000 mm / 1 500 mm	2 000 mm / 1 900 mm
Input power, including cooling:	50 kW *	

\*Applies to the example of a 20.5 R 25 tyre weighing 400 kg

