

# C-CHECK

NON-CONTACT MONITORING FOR THE  
MOST EXACTING QUALITY STANDARDS



**KraussMaffei**

*Pioneering Plastics*

# C-CHECK HIGHER-LEVEL QUALITY ASSURANCE IN TIRE PRODUCTION

KraussMaffei's non-contact C-Check system is designed for in-line conductivity measurement of chimney strips in tread profiles directly after the extrusion process. It enables in-process detection of material defects and transmits a warning signal to the operator and the control system. Recipe-controlled positioning combined with automatic height adjustment of the test system ensures uncompromising flexibility and excellent precision.

## High production reliability

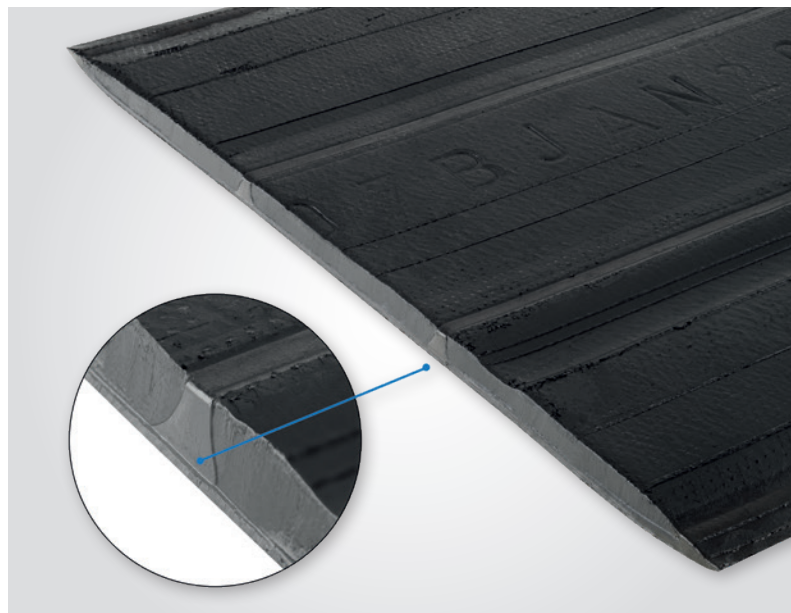
The C-Check system checks the chimney conductivity in-line at variable production speeds. It is designed for non-contact measurement of the electric conductivity between the outside and inside of the tread. The electrode with flexible position charges the strip that is placed on an earthed conveying system. The fully functional chimney strip eliminates the electrostatic charge via an additional earthed electrode. If the electric resistance exceeds the preset value, a signal is transmitted to the operator and the event is logged by the control system.

## Technical features

- **Chimney strip width**  
1 mm and over
- **Measuring distance to the profile surface**  
3-9 mm (adjustable)
- **Number of electrodes depending on the number of chimney strips**  
1, optionally 2 or 3
- **Conveyor belt width**  
600, 800 or 1000 mm  
other widths upon request

## Benefits

The measuring head with parking position and an application-optimized measuring roller ensure maximum ease of operation, reduced maintenance requirements and



shortened set-up and start-up time. As the conductivity is measured in-line directly after the extrusion process, scrap is minimized at an early stage. The measurement is performed in real time and can be displayed on a local control panel and additionally be transmitted via an

appropriate interface. Thanks to the exceptional functionality and its universal compatibility with all available marking devices, the C-Check system is simply unique on the market. Owing to the small footprint, C-Check is an ideal solution for retrofitting existing extrusion lines.

## YOUR BENEFITS

- Application-optimized measuring roller
- Measuring head with parking position
- Reduced installation and maintenance requirements
- Simple operation and exceptional measuring precision
- Siemens or Rockwell process control