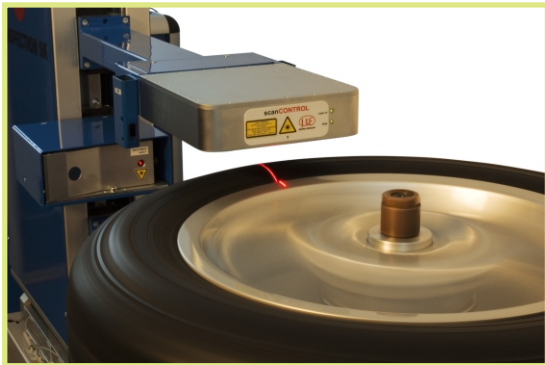
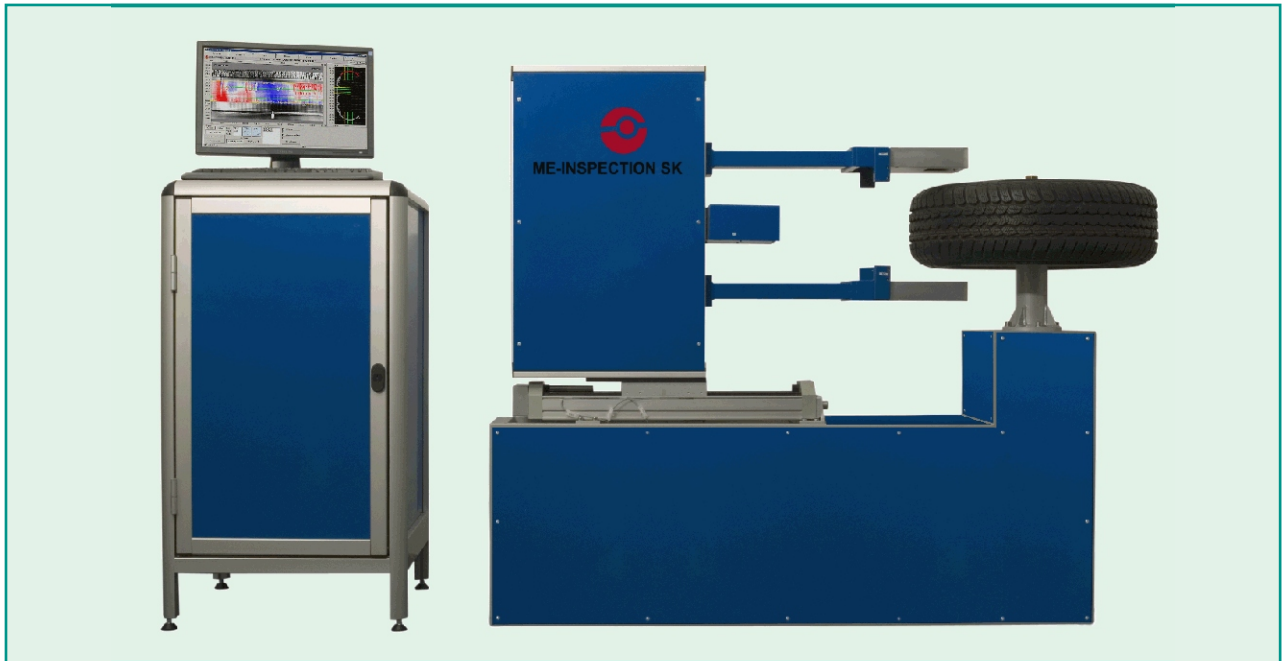


### Tire geometry inspection

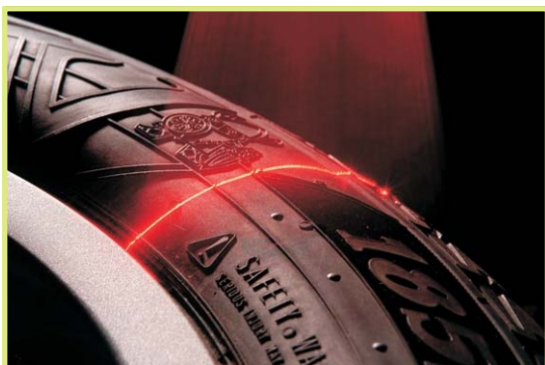


#### Tire geometry inspection system

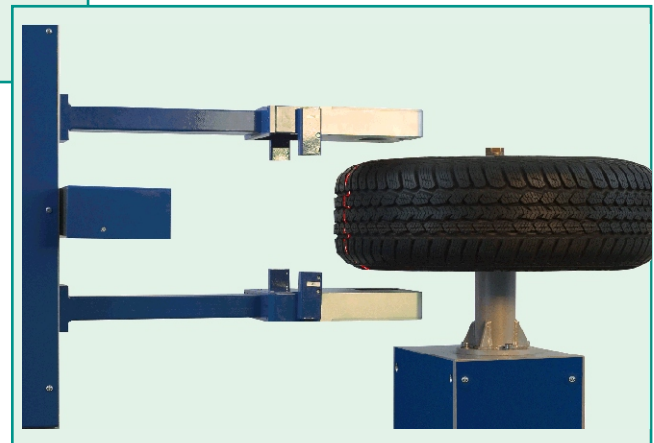
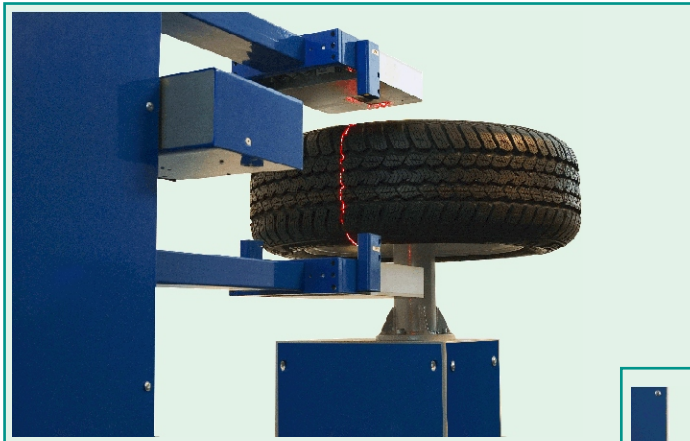
For tire geometry inspection, three laser profile sensors are used to detect bulges and depressions in tire production. They are mounted on a solid and accurate transport system. Laser sensors provide single/multi track measurement, in case of spot laser sensor or whole sidewall is scanned by sheet-of-light laser providing tire profile in every sample instance. The tire geometry inspection monitors the signals from sensors, eliminates lettering, performs filtering and detects bulges and dents, calculates radial and lateral runout, checks tire dimensions, performs harmonic analysis, defect quality classification, according to the customer specification.

#### Features

- Non-contact Measurement
- Laser Technology
- True 3D Defect Elimination
- Precise Lettering Elimination
- Letter Recognition
- Complete Tire Scan
- Automatic Identification
- Automatic Inspection Range Selection
- High laser operating distance
- Extended Connectivity
- Powerful Visualization Tools
- Standalone Application
- Adaptation to different TU machines



### Tire geometry inspection



#### System parameters

Tire Width Min.	100 mm
Tire Width Max.	460 mm
Measurement Tracks Max.	640/profile
Measuring Profiles Max.	2000/s
Measurement Width Max.	120 mm
Measurement Time	1 sec. (60 rpm)
Calculating Time	~ 2 sec
Laser rate	1 280 000 point/s
Repeatability	< 0.05 mm