



## DO YOU WANT TO MEASURE RESIDUAL STRESSES IN RAILWAY WHEELS...

... in a variety of wheel sizes?

... using a lightweight device in a  
fast and accurate way guided by  
an user-friendly application?

## Get the **E-STRESS**, ENDITY's residual stress measuring device for railway wheels

Modular system configuration which includes: acquisition hardware, visualization software and sensors.

Inspection device for the measurement of residual stresses in railway wheels with UT EMAT technology in manufacturing and also in maintenance operations. Compatible with standard wheel manufacturing steels (ER6, ER7, ER8, ER9) and inspection requirements in compliance with EN 13262 - Annex D.

Very **easy to handle and set** on the wheel due to its **low weight**. Inspection **without any coupling agent**.

### TECHNICAL FEATURES

**01. No couplant** EMAT technique.  
Capable of penetrating surface  
coatings and corrosion.

**02. No beam steering** errors caused  
by misalignment of the transducer  
with the surface.

**03.** Cycle time reduction up to **60%**.



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