



EMAT UT

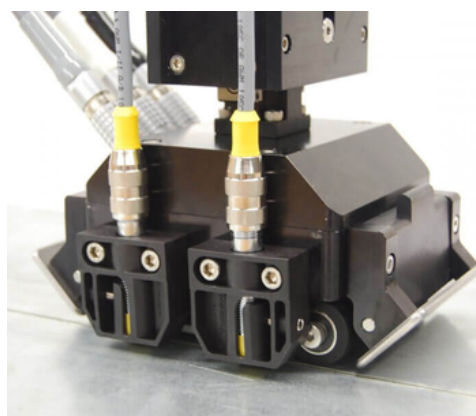
Reduce scrap production by approximately 60%, minimise rework times and improve process yield based on a better defect detection and characterisation.

SOLUTION DESCRIPTION

Ultrasonic-based system for in-line multi-pass weld inspection with defect characterization.

The EMAT UT system works for the **windmill tower manufacturing industry for Metal parts** manufacturing companies whose processes involve multi-pass welding processes and are looking to **improving their processes to reduce both waste production and environmental footprint.**

This system is capable of **reducing time and cost associated to scrap production** and re-work tasks during manufacturing, when compared to conventional methods, by **performing real-time in-line inspection at high-temperature** and fast characterization of defects.



MAIN BENEFITS

- ▶ Improve on defect characterization (type and size)
- ▶ Compare the production statistical analysis with other plants
- ▶ Reduce scrap production
- ▶ Reduced re-work time

PRODUCT OWNER



The ZDZW project has received funding from the European Union's Horizon Europe programme under grant agreement No 101057404.