



# EMAT UT

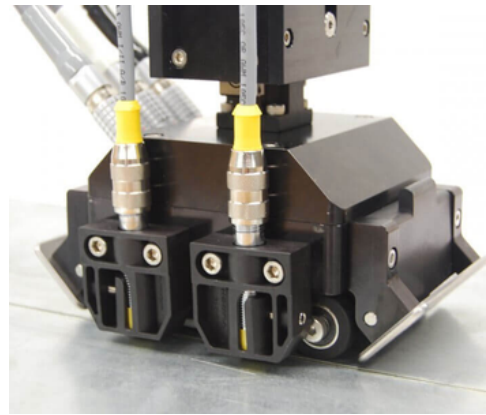
**Reduces scrap production by approximately 60%, minimises rework times and improves process yield based on a better defect detection and characterisation**

## SOLUTION DESCRIPTION

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

This EMAT UT system caters to the **windmill tower manufacturing industry**, specifically targeting **metal parts manufacturing companies** employing multi-pass welding processes.

Designed to operate at high-temperature environments, this system conducts **real-time in-line inspections**, enabling swift characterization of defects. In comparison to conventional methods, this system offers rapid defect characterization, thereby optimizing efficiency and minimizing production-related setbacks.



## MAIN BENEFITS

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