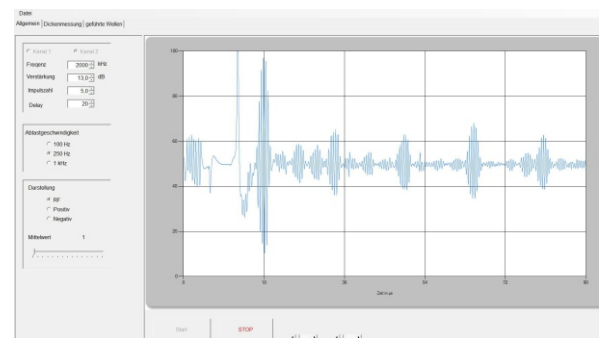


Powerful EMAT ultrasonic testing equipment



OPTIMESS - EMAT experts



State-of-the-art probes - wide range of applications

In addition to conventional piezo ultrasonic flaw detectors, UT probes and Phased Array flaw test equipment, we also offer our customers tailor-made applications in the field of ultrasonic testing technology.

Our special focus is on EMAT ultrasonic technology.

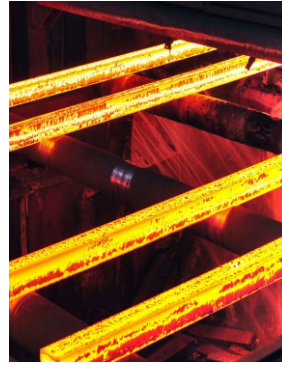
For our customers we develop and produce EMAT ultrasonic inspection systems - as a portable solution or for integration in the customer's production line.

Applications



Thickness measurement

Metal pipes, vessels and plates, which can also be very hot or cold (-50°C up to $+650^{\circ}\text{C}$), with a laminated or raw surface



Surface inspection

Rolled, drawn, cold or hot formed parts; detection of smallest defects even at areas which are not accessible directly



Weld inspection for pipes

Longitudinal seam welded pipes in the production process, up to 200°C , without couplant



Corrosion inspection

Detect corrosion at pipes, vessels and metal plates, e.g. in refineries, fast and reliable, without couplant, without prior surface treatment



Crack detection

Pressure cylinders, vessels, gas accumulators, pipes and materials without dismantling, without prior surface treatment



Stress measurement

Determination of the material stress in component parts, e.g. track wheels, on-site and without dismantling, without couplant and prior surface treatment



Weld inspection for blank sheets

Welding seams between thin sheets, e.g. in the automobile industry (Taylor Welded Blanks), portable or integrated in the the production line



Bolt load inspection

Regular test for firmly tightened bolts, e.g. at covers of vessels, pipe sleeves, steel bridges without mechanical actuation and untightened reference bolt