Mobile inspection systems (immersion-technique)
for the inspection of welded gear wheels – PROline Mobile I

Space saving installation
Easy operation
Fast evaluation
Standard design
Inspection of multiple gear wheel sizes possible
Mobile inspection system – PROline Mobile I (immersion-technique)

Manual loading and unloading, manual inspection start and automatic end as well automatic evaluation of the inspection results.

Inspection procedure:

- The operator puts the adapter 3 for the gear wheel 2 into the immersion tank 1
- The operator puts the gear wheel onto the adapter in the immersion tank
- The operator starts the inspection process via push button
- During inspection the gear wheel 2 rotates 360° around the probe 4 and the weld seam is automatically inspected
- At the end of inspection the rotation automatically stops, the inspection result is shown by the signal lamps 5 (OK or not OK) and if requested can be displayed on the monitor of the customer’s PC. The operator removes the gear wheel and the inspection procedure can begin again.

The mobile ultrasonic inspection system consists of a stainless steel water tank, inverter controlled AC drive for the rotation, operator box 6, PROlineUSB hardware and PROlinePLUS application software.

Options: PC with monitor

Cross section view of the gear wheel with probe beam.