

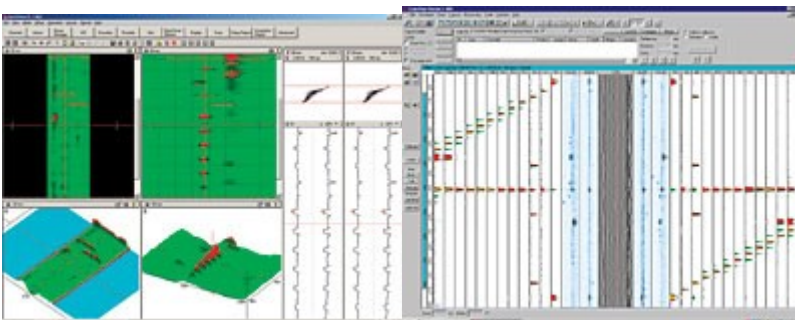
PV-300

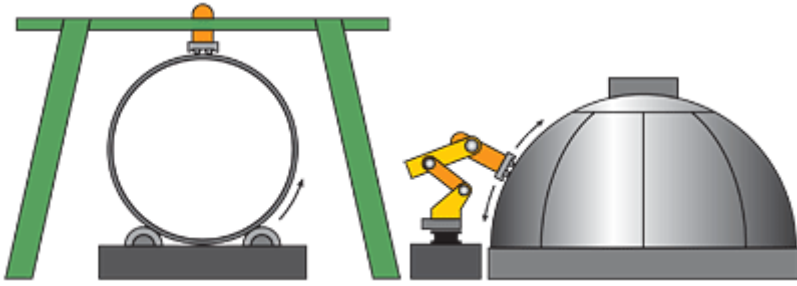


Multitechnology automated inspection system: Exceeding the code for stringent requirements We have developed a superior AUT (automated ultrasonic testing) system for demanding weld inspections made for fitness-for-purpose assessment (also called engineering critical assessment and fracture mechanics). It is well known that welds contain flaws that do not necessarily affect the integrity of the product or its fitness for purpose. It is therefore imperative that the flaws be precisely characterized in order to avoid costly repairs. For these critical applications, our PV-300 inspection system uses multiple NDT techniques for redundancy, which results in the highest characterization and sizing capability on the market.

- Scrutinizing inspection system for fitness-for-purpose assessment
- Multiple inspection techniques to maximize POD
- Detection coverage of 200%
- Added eddy current array probes for inside and outside surface detection

Acquisition is controlled by one or more acquisition units according to the application requirements. The PV-300 system takes NDT of pressure vessel welds a step further by combining multielement ultrasound probes and multielement eddy current probes. The eddy current technology has been added to cover another inspection required by the code: surface inspection done by either magnetic particle testing or liquid penetrant testing. Eddy current testing offers many advantages over these two methods. The results are more accurate, and more rapidly obtained, and are kept on digital support for better traceability.





PV-300 allows you to:

- Inspect surfaces before and after welding without a wait period.
- Determine defect height and orientation using the back diffraction phenomenon.
- The software presents ultrasound data to display the defect correctly with regards to the weld volume.
- Add the surface inspection traceability and records to the ultrasound inspection.
- Eliminate the added clean up required by liquid penetrant or magnetic particle inspections.