

USM Vision

A Total Ultrasonic Weld Inspection Solution that
Complies with Quality, Cost and Delivery Demands



The USM Vision from GE's Inspection Technologies business provides fast and reliable code-compliant weld inspection and removes inspection bottlenecks.



GE imagination at work

Benefits for Piping Fabrication Companies

USM Vision brings significant benefits for piping fabricators, especially in terms of meeting delivery dates and working to optimized budgets.

Pressure on delivery demands is eased because USM Vision is an ultrasonic weld inspection solution which, unlike radiography, does not require time-consuming set-up or film development. This ensures significant gains in productivity, as there is faster assessment of the inspection data. In addition, as there are no associated radiation hazards, there is no need to shut down welding operations in the immediate locality while inspection is being carried out, eliminating production bottlenecks and allowing further savings in time and money.

Lean improvements in manufacturing processes are achieved as inspection is done on the spot, with no need to move parts to be inspected to dedicated areas and the flexibility to inspect at times to suit workforce availability.

Operating costs are significantly reduced as film and chemical costs are eliminated and the task sharing features of USM Vision allow EPC companies greater financial control over inspection activities.

Co-working activities: other tasks, such as welding and repair, can be carried out in the immediate vicinity of ultrasonic USM Vision inspections, unlike radiographic inspections, which require the immediate inspection area to be shielded.

Reliable, Code-Compliant Inspection Data

All accurate and reliable inspection data is compliant with accepted international codes and standards including but not limited to:

ASME V	EN ISO 17640	DICONDE
B31.3	EN ISO 10863	
API 1104	Pr EN ISO 13588	
ASTM E 2373		
B31 Case 181		
Code Case 2235		

Inspection Data which can be Archived and Shared

The inspection data generated by USM Vision is acquired, reviewed, shared and archived by the Rhythm software platform.

This greatly simplifies data management and traceability of the weld inspection documentation. The DICONDE standard guarantees the security of your electronic records, while the electronic data sharing increases the project turnaround time.

Worldwide Presence

USM Vision enjoys the support of GE's global network, which means that help is always close at hand to provide advice and service for your weld inspection operations.



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