

ARMUT® (Absolute Recordable Manual Ultrasonic Testing) combines the best of both manual and automated UT, and Industrial Inspection & Analysis is the sole provider of critical weld examinations using this proprietary technology.

## IIA's ARMUT® Technology Is Truly Innovative



### Camera

A machine vision camera placed atop of the UT probe is used to track the probe's movements, skew angle allowing for UT data correlation.



### Mylar Film with QR Codes

The mylar film is wrapped on the component, and the QR codes, which facilitate the gathering of positional data, are read by scanning the film with the hand-held probe.



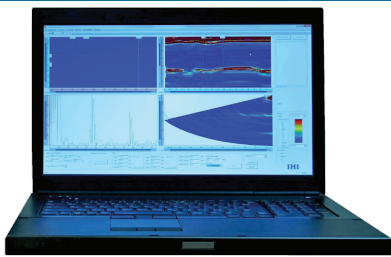
### Positional and Time Encoded Data Acquisition

ARMUT® technology allows a single individual to conduct critical weld examinations, and the system simultaneously gathers encoded positional data and encoded time data.

## CORROSION MAPPING OF ELBOWS: THE ARMUT ADVANTAGE

Our patented ARMUT® system offers a reliable, time-saving alternative for corrosion mapping of piping elbows. Armed with ARMUT, a single technician can capture high-resolution images along the entire pipe elbow. You'll receive an accurate map of corrosion that will pave the way for sound maintenance and repair decisions.

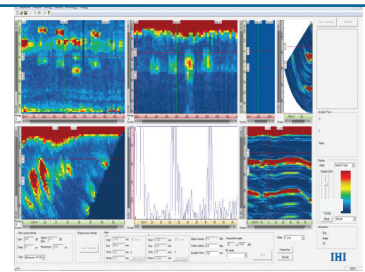
## The ARMUT® Process



### PREPARATION



### SCANNING



### RESULTS

IIA's proprietary ARMUT® technology is the only system that combines automated and manual UT examination methods and uses a QR code film on complex geometry to gather encoded positional and encoded time data simultaneously. The ARMUT® can be used by a single technician to examine critical welds and gather extremely high-resolution images that can be stored, shared, and immediately analyzed.

Whether choosing the right equipment or discussing options that might help mitigate your risk, our team is just a phone call away.

Need additional help with your project?

Call us: **979-399-7151**

[www.industrial-ia.com](http://www.industrial-ia.com)