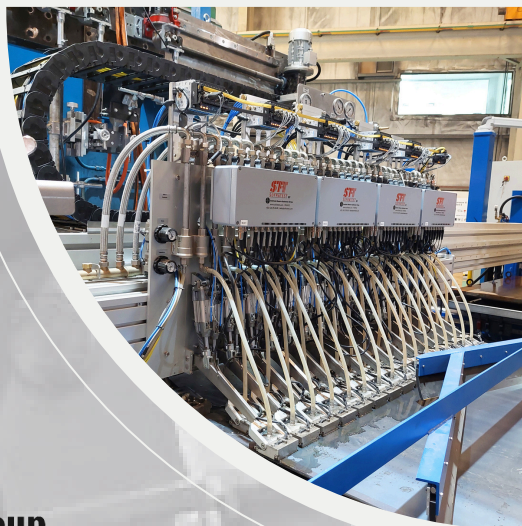


SSAW



SOFRATEST BY



Controle Mesure Systemes Group

ULTRASONIC NON-DESTRUCTIVE TESTING SYSTEMS

World leader in Automated Ultrasonic Inspection Solutions

WWW.SOFRATEST.COM

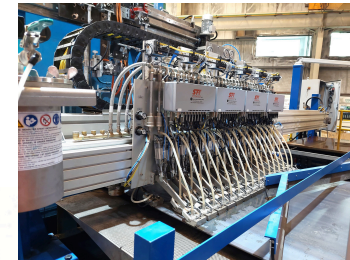


Made in France

SPIRAL SUBMERGED ARC WELDING

► Refers to a spiral welding process with added material

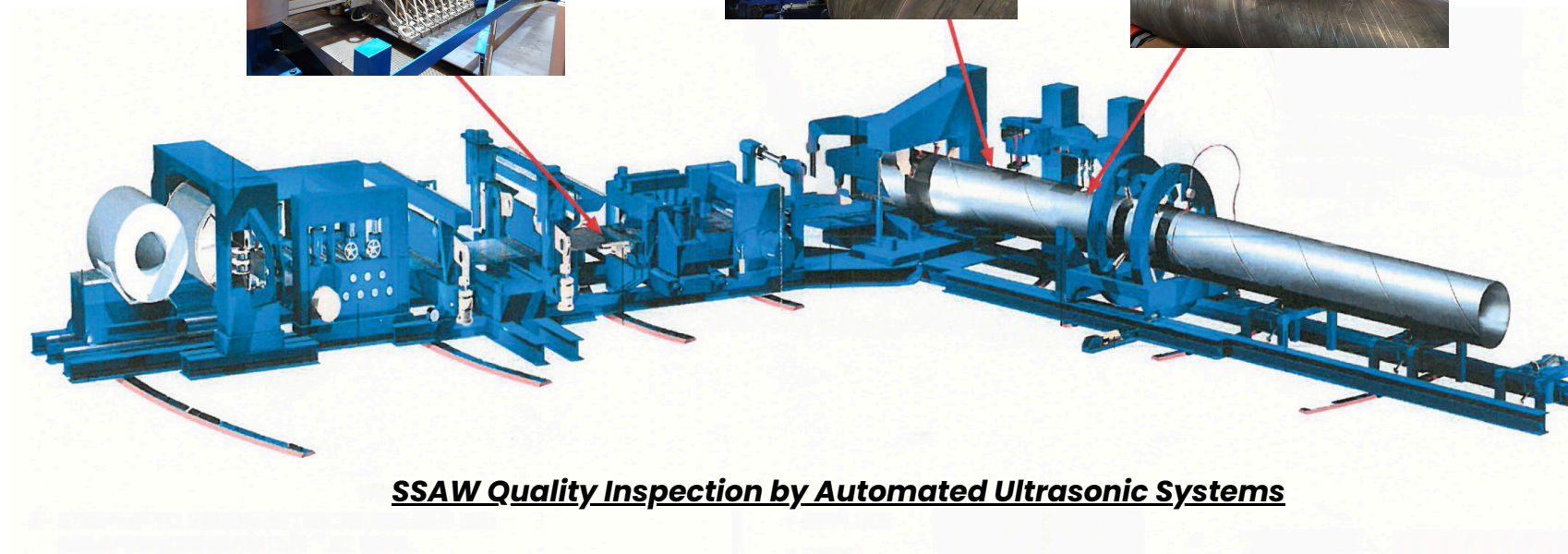
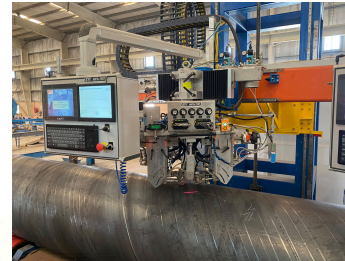
STRIP INSPECTION



PIPE BODY INSPECTION



SAW PIPE WELD INSPECTION



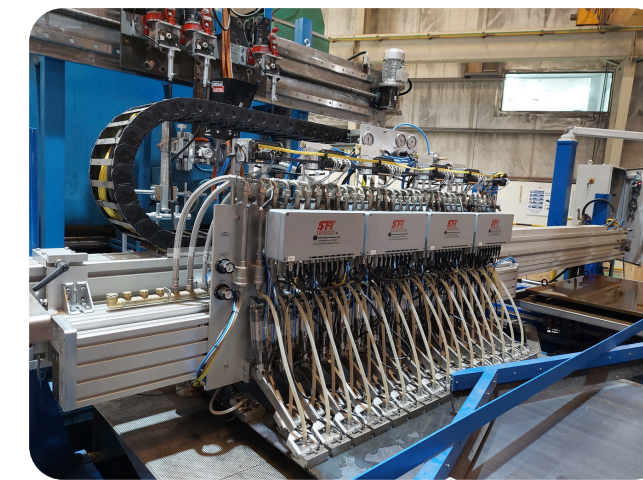
SSAW Quality Inspection by Automated Ultrasonic Systems

STRIP UT INSPECTION

SOFRATEST Ultrasonic systems performs Non-Destructif Testing (NDT) inspections on strips prior to their forming and welding into SSAW pipes.

STRIP INSPECTION FEATURES

- ✓ Detection of defects early in the manufacturing process
- ✓ 100% customizable system according to customer needs and products
- ✓ Inspection of the strip body and edges
- ✓ High inspection speed: adaptation to the customer's production line
- ✓ Robust and durable mechanic to work in harsh environment
- ✓ Multi-channels UT systems
- ✓ Off-line calibration table to perform dynamic calibration on a standard strip



STRIP UT INSPECTION SYSTEM



OFFLINE CALIBRATION TABLE

APPLICATION PRINCIPLES

✓
Lamination defects detection

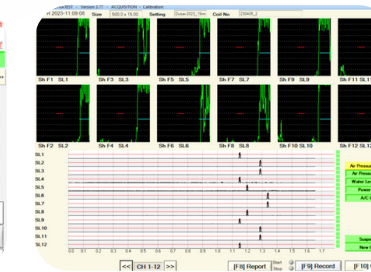
✓
Loss of coupling detection

SOFRATEST SOFTWARE

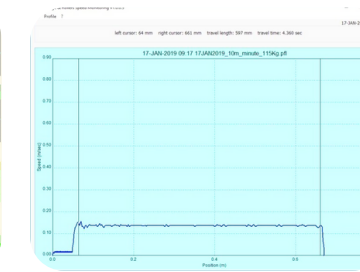
- Powerful & intuitive software
- Real-time displayed of inspection results
- User-friendly interface for managing ongoing inspections and configuring precise parameters
- Full traceability with the creation of complete and customizable inspection/calibration reports
- Speed profiling software for calibration



UT A-SCAN



STRIP CHART



CALIBRATION SPEED PROFILING SOFTWARE

ON-LINE WELD INSPECTION

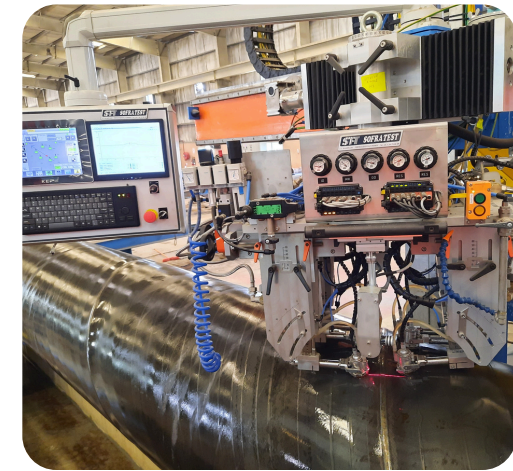
On-line welded inspection unit allows to check the quality of the weld and body close to the welding station and detect potential defect early in the production process.

INSPECTION FEATURES

- ✓ Turnkey and robust system to work in harsh environment
- ✓ UT head designed according to pipe diameter and thickness
- ✓ Tailor-made probe shoes to adapt perfectly to different pipe curvature
- ✓ High inspection speed: adaptation to the customer's production line
- ✓ Off-line calibration to perform dynamic calibration on a standard pipe
- ✓ Laser tracking system to adjust the position of the UT head
- ✓ Phased array electronics can be integrated on SOFRATEST systems
- ✓ Partial and full pipe body inspection



SSAW ON-LINE WELD INSPECTION



SSAW ON-LINE WELD INSPECTION

APPLICATION PRINCIPLES

✓
Internal/External longitudinal and transverse defects in the weld

✓
Lamination defects detection in the HAZ and pipe body

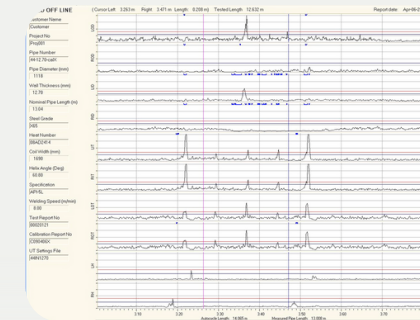
✓
Loss of coupling identification

SOFRATEST SOFTWARE

- Powerful & user-friendly UT software
- Inspection results displayed in real-time
- Summary and full report, traceability of each defect or loss of coupling detected
- User-friendly interface for managing ongoing inspections and configuring precise parameters
- Comprehensive and customized reports at the end of the inspection and after each calibration



UT A-SCAN



INSPECTION REPORT CREATION



OFF-LINE WELD INSPECTION

Off-line welded inspection unit allows to check the weld seam and/or the full body of SSAW tube outside of the production line.

INSPECTION FEATURES

- ✓ Turnkey and robust system to work in harsh environment
- ✓ UT head designed according to pipe diameter, thickness and length
- ✓ Tailor-made probe shoes to adapt perfectly to different pipe curvature
- ✓ 100% customizable system according to customer needs
- ✓ Pipe ends and pipe body inspection
- ✓ High speed inspection
- ✓ Dynamic calibration available with a standard pipe
- ✓ Laser tracking system to adjust the position of the UT head
- ✓ Several inspection head configurations available
- ✓ Phased array electronics can be integrated on SOFRATEST systems

SOFRATEST SOFTWARE

- Powerful & user-friendly UT software
- Inspection results displayed in real-time
- Summary and full report, traceability of each defect or loss of coupling detected
- User-friendly interface for managing ongoing inspections and configuring precise parameters
- Comprehensive and customized reports at the end of the inspection and after each calibration

APPLICATION PRINCIPLES



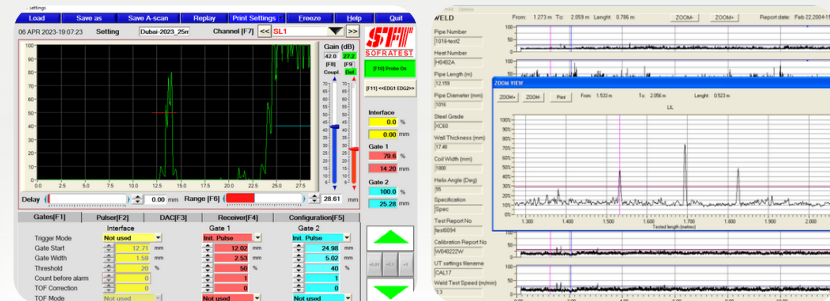
Internal/External longitudinal and transverse defects in the weld



Lamination defects detection in the HAZ/pipe ends and pipe body



Loss of coupling identification



INSPECTION RESULTS DISPLAYED
IN REAL-TIME

INSPECTION REPORT
CREATION

YOUR MANUFACTURING PARTNER FOR NON-DESTRUCTIVE TESTING EQUIPMENT

Since 1985, **SOFRATEST** has been one of the world leaders in designing and manufacturing automated ultrasonic inspection systems.

SOFRATEST develops its own heavy-duty systems specifically designed to operate under harsh conditions, offering reliable automation solutions and user-friendly software.

SOFRATEST's organizational structure enables the delivery of customized turnkey solutions to our customers.

SOFRATEST has been serving numerous markets, including aerospace, the steel industry, automotive, and nuclear sectors.

ABOUT SOFRATEST



SOFRATEST BY



Controle Mesure Systemes Group



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