

JAGS TECHNOLOGIES

ADVANCED NDT EQUIPMENT & INDUSTRIAL AUTOMATION

ENGINEERING PRECISION.
INSPECTION
EXCELLENCE.

Sales • Supply • Integration • Commissioning •
Training • Service

COMPANY PROFILE

JAGS Technologies is an engineering and technology company focused on NDT equipment sales, inspection systems, industrial automation and customized engineering solutions. We support customers from equipment selection through installation, commissioning, application support and training.

OUR NDT EQUIPMENT PORTFOLIO

EDDY CURRENT ECT • ECA • RFET • NFT • MFL • IRIS • Tube inspection • Sorting & crack detection	PAUT & TOFD Portable PAUT • TOFD • Probes • Wedges • Encoders • Scanners • Calibration blocks
MPI EQUIPMENT Bench units • Portable yokes • UV lamps • UV meters • Accessories • Consumables	PT SYSTEMS Water-washable PT • Spray/tank systems • Wash stations • Drying • UV/visible inspection
NDT AUTOMATION Conveyors • Feeders • Rotary inspection • Robotics • PLC/HMI • Special-purpose machines	SUPPORT Application engineering • Installation • Commissioning • Training • Service & spares

INDUSTRIES

Automotive • Aerospace • Oil & Gas • Power Plants • Railways • Foundries • Forging • Fabrication • General Engineering

01 EDDY CURRENT INSPECTION EQUIPMENT

Reliable electromagnetic inspection solutions for surface and near-surface flaw detection, sorting, crack detection and tube inspection.

SYSTEM	SOLUTIONS / APPLICATIONS
Conventional ECT	Single- and multi-frequency flaw detection; surface and near-surface inspection
Multi-Channel ECT	High-throughput automated component inspection and production-line testing
Eddy Current Array	Multi-element inspection for expanded coverage and complex geometries
Tube Inspection	ECT • RFET • NFT • MFL • IRIS for heat exchanger, condenser and boiler tubes
Sorting & Crack Detection	Material sorting, hardness/mix verification and crack detection for production components
Accessories	Bobbin probes • Pencil probes • Array probes • Calibration standards • Cables • Probe holders

TUBE INSPECTION TECHNOLOGIES

ECT Fast detection of cracks, pits and material variations.	RFET / NFT Solutions for ferromagnetic and selected tube materials.	MFL / IRIS Complementary inspection for corrosion, wall loss and volumetric evaluation.
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TYPICAL APPLICATIONS

Heat exchanger tubes • Boiler tubes • Condenser tubes • Automotive components • Shafts • Bearings • Gears • Forgings • Machined components • Wire and bar products

WHY JAGS TECHNOLOGIES

Application-focused equipment selection • Probe and calibration support • Automated integration • Operator training • Preventive service • Customized inspection solutions

02 PAUT & TOFD | 03 MPI | 04 PT SYSTEMS

Complete equipment packages for advanced weld inspection and conventional surface inspection.

PAUT & TOFD EQUIPMENT

Phased Array Ultrasonic Testing uses individually controlled array elements to steer and focus ultrasonic beams electronically. TOFD uses diffraction signals from flaw tips for accurate detection and sizing. [■cite■turn0search0■turn0search6■](#)

PAUT INSTRUMENTS Portable multi-channel flaw detectors • PAUT/TOFD multi-group systems • Data acquisition & analysis software	SCANNING Manual scanners • Encoded scanners • Weld scanners • Corrosion mapping scanners • Custom fixtures
PROBES & ACCESSORIES Linear arrays • TOFD pairs • Wedges • Delay lines • Encoders • Cables • Calibration blocks	APPLICATIONS Pipe welds • Pressure vessels • Structural welds • Corrosion mapping • Critical components

MPI EQUIPMENT

Portable and stationary magnetic particle inspection equipment for surface and near-surface discontinuities in ferromagnetic materials.

Portable MPI	AC/DC yokes • Prods • UV lamps • Visible light accessories
Bench MPI	Head-shot/coil magnetization • Wet fluorescent systems • Demagnetization
Consumables & QA	Fluorescent particles • Carrier • ASTM pie gauge • Gauss meter • UV intensity meter • Centrifuge tube

PT SYSTEMS

Water-washable and visible/fluorescent penetrant inspection systems for controlled industrial processing.

Spray/tank application • Penetrant dwell stations • Water wash stations • Air blow-off • Drying stations • Developer application • UV/visible inspection • Drainage & filtration • Customized PT lines

05 NDT AUTOMATION & COMPLETE INSPECTION SOLUTIONS

From a standalone inspection instrument to a fully automated production inspection line, JAGS Technologies integrates mechanics, electronics, NDT instrumentation and PLC/HMI control.

FEEDING & HANDLING Conveyors • Vibratory bowl feeders • Step feeders • Loading/unloading systems • Part orientation	INSPECTION MACHINES Rotary inspection systems • Probe positioning • Centering devices • Multi-station inspection cells
ROBOTICS & VISION Robotic handling • Automated scanning • Vision-assisted identification • Traceability	CONTROL & DATA PLC/HMI • Sensors • Encoders • Interlocks • Data acquisition • Result logging • Reports

COMPLETE PROJECT WORKFLOW

01 Application Study	02 Method Selection
03 Equipment & Probe Selection	04 Mechanical Design
05 Electrical / PLC Integration	06 Manufacturing
07 Calibration & FAT	08 Installation
09 Training & Commissioning	10 Service & Support

WHY PARTNER WITH JAGS TECHNOLOGIES?

✓ Application-driven sales support ✓ Multiple NDT technologies under one roof ✓ Customized automation ✓ Probe, calibration and accessory support ✓ Installation & commissioning ✓ Training & after-sales service

JAGS TECHNOLOGIES

Advanced Inspection & Industrial Automation

Chennai, Tamil Nadu, India

Website: To be finalized | Email: To be finalized | Phone: To be finalized