

AUTOMATED 100% THREAD INSPECTION FOR OIL COUNTRY TUBULAR GOODS

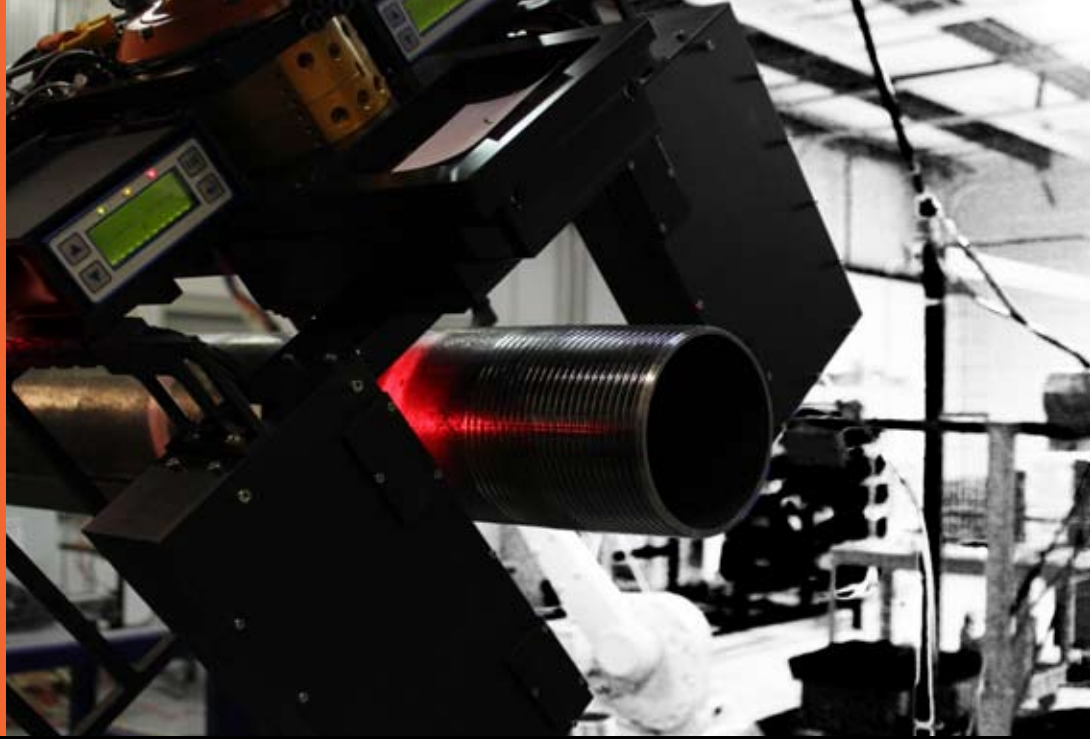


Introducing the Autonetics Gauging Unit (AGU)

A fully automated, non-contact, thread inspection system proven to withstand harsh mill environments. AGU combines an easy-to-use touch-screen interface with sophisticated analysis algorithms and ruggedized hardware to provide 100% inspection capability.

AGU is fully automated for lights-out operation with reduced labor/training costs/injury claims, and easily integrated into existing lines thanks to a small footprint, self-contained, drop-in cell design.

Available for immediate delivery.



Ten Second Cycle Time

In less than 10 seconds, AGU provides:

- 43,600 sub-micron measurements
- All major API callouts (L2, L4, Lead, Taper, Ovality, Thread Height, Pitch Diameter, Chamfer Angle)
- Measurements judged against user-defined tolerance limits
- Inspection for common manufacturing defects (black-crested threads, flat threads, broken tooling)
- Trend graphs illustrates tooling wear over time and identifies upstream setup issues. All gauging results stored for 100% traceability.

Safety and Cost Savings

AGU's fully automated design removes personnel from the inspection area, lowering training costs and eliminating error-prone, dangerous manual inspection. No "hands on" gaging means:

- Reduced labor & training costs
- Reduced injury risk with fewer claims
- Fewer station rotations per shift due to operator fatigue
- Increased line throughput and sustained uptime

Features and Specifications

- Modular components with quick disconnects
- Advanced cooling and air purge systems
- Solid state industrial sensors
- Large touch screen user interface
- Visual and audible reject alarms
- Numerous I/O options for easy integration
- Pipe Length Variation: 5 feet
- Operating Temp: 32-125 F
- Sensor Accuracy: +/- 1 μ m
- Pipe Size: 2 3/8" - 16"
- Size: 3x3'x7' (LxWxH)
- Weight: 2600 lbs

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