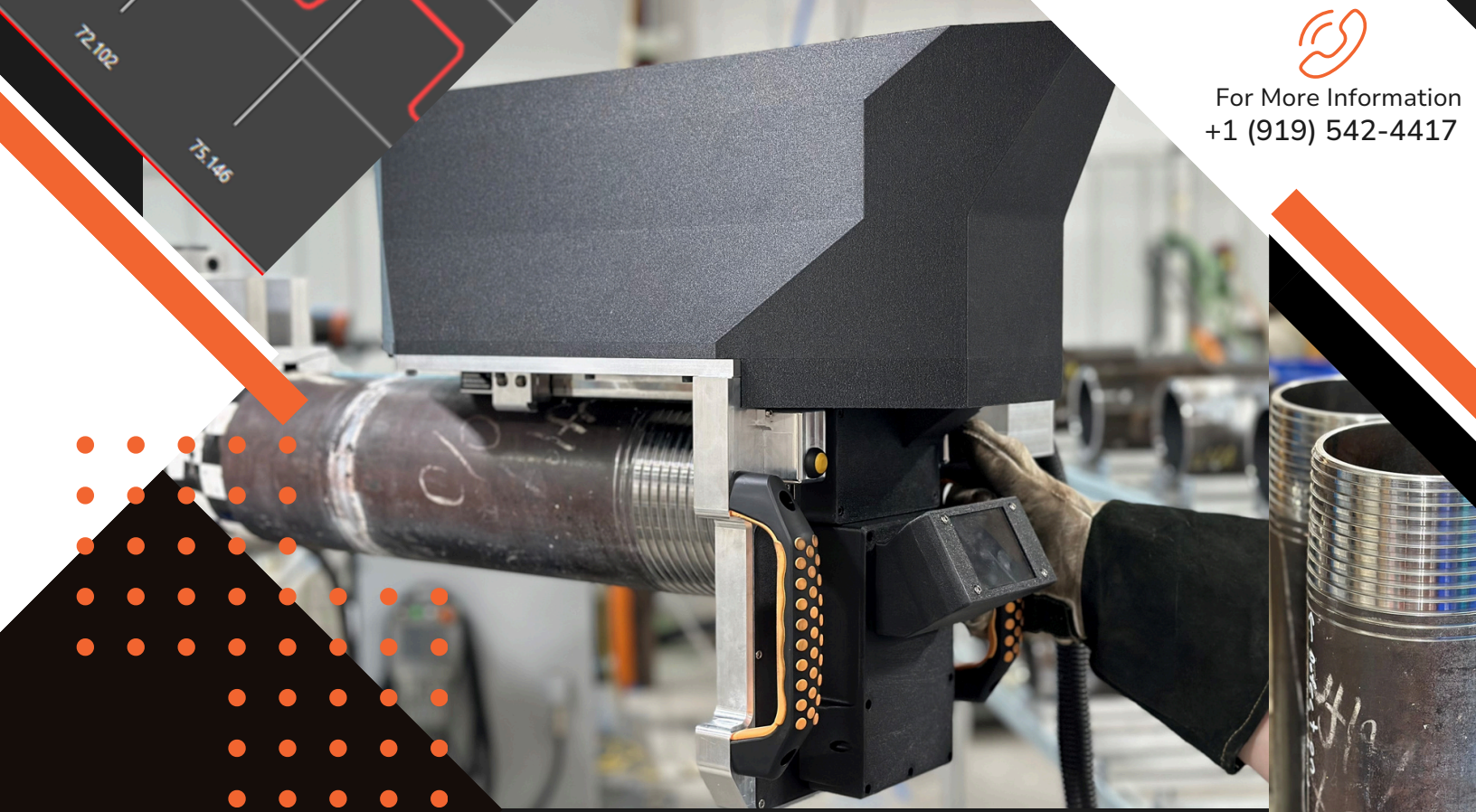




For More Information  
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# Autonetics

## AUTOMATED THREAD PROFILER

A HANDHELD HIGH-PRECISION THREAD INSPECTION SYSTEM

### Highlights

- Handheld Operation
- Sub-micron Resolution
- Measure any Profile Feature
- Digital Overlay Analysis
- Factory Floor Ready
- L2/SPC Universal Compatibility



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# Overview

The Automated Thread Profiler is a handheld, optical thread inspection system that provides sub-micron profile scans of all API, semi-premium, and premium threadform connections, including negative flank angles. The gauge is built for operation on the factory floor. It replaces other manual thread gauging techniques with a process that takes less than 60 seconds, creating a permanent digital record of the inspection. This digital process and short cycle time saves expensive down time by removing the long delays that wax molds introduce.

## Features



Buttress Threaded Connection

- Sub-micron sensor resolution
- Sub-micron linear actuator resolution
- Simple two-button operation
- Sub 60-second cycle time
- Automatic, self-centering, pneumatic clamping
- Mounting point for zero-gravity tool balancer
- Automated and manual digital overlay analysis
- Digital archival of all scan data
- Instant retrieval of archived scans
- Integration with any L2 / SPC system
- Supports measurement of any profile feature:
  - Wedge Thread Lockup Location
  - Lead, Cumulative Lead, Stab / Load Lead
  - Thread Height
  - Axial distances (seal, etc.)

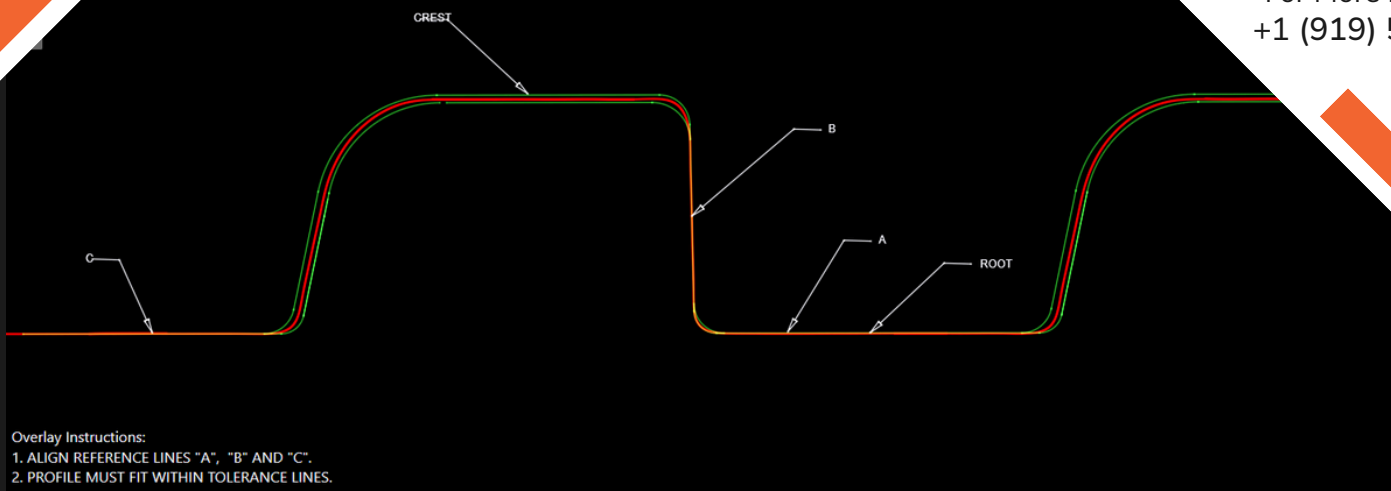
## Gauge Dimensions

Imperial: 23 x 14 x 18 inches  
Metric: 585 x 356 x 458 mm  
Weight: < 30 lbs.





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The above image shows a real Buttress Profile with a Thread Form overlay. Overlay analysis can be performed automatically or manually via the gauges' touchscreen HMI. Instant results, no molds required.



## Why Autonetics?

Autonetics provides automated, in-process inspection units for a variety of industrial applications including aerospace, Gas & Oil/Oil Country Tubular Goods (OCTG) and the automotive OEM and aftermarket industry. Since our founding in 2009, our team has been at the forefront of industrial metrology, determined to deliver the industrial automation solutions your company needs. Contact us today to learn about our other products or to start developing your custom solution today.



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