About Quest Metrology

Operating exclusively in thread form inspection and measurement technologies, Quest Metrology is the forerunner in the development and delivery of non-contact automated thread measurement systems. Whether the need is threaded product inspection or gage calibration, we have and are developing next generation systems and solutions. Want to learn more about our revolutionary thread measurement technologies?

Contact a representative at Quest Metrology today - **253-480-2029** or visit us at

www.questmetrology.com

Quest Metrology's Thread-View® II is a cost saving tool that will change the way you do business. This all new design will revolutionize your measurement for Unified Thread gages and product, in both accuracy and speed of process. Without metrology expertise, you can produce a full form certificate in less than four minutes!

Thread-View® II

Using advanced vision technologies our Thread-View® II has the ability to rapidly, and accurately, measure all the geometries required for compliance standard measurements. Quest Metrology delivers the first true full form, non-contact, external thread form measurement inspection system capable of such speed and accuracy.

The Thread-View® II Measures

- Major diameter *(full form and truncated)*
- Minor diameter
- Angles - Leading, trailing and included
- Lead
- Lead over several threads
- Pitch diameter

Features and Benefits of Use

- ✓ Reduce cost of gage calibration and external screw form product measurements
- ✓ Eliminate human error and machine bias from thread measurement process
- ✓ User friendly to any operator, no longer need special metrology expertise
- ✓ Rapidly perform gage calibration, first article inspection or measurement of an inventoried threaded part
- ✓ Meets the current ANSI/ASME industry thread specifications B1.2, both inch and metric
- ✓ Improve production quality and process control
- ✓ Full form NIST traceable certification printed after measurement cycle within 4 minutes (Data on 12 characteristics)
- ✓ Settle dimensional disputes immediately

PERFORMANCE SPECIFICATIONS	
Measurable forms:	UNC, UNF, UNEF, UNJ, UNS - English or Metric equivalent Additional thread types planned
Size:	0.0600 inches through 4 inches diameter or metric equivalent
Articles:	External threaded product or gage (go/no-go work plugs and set plugs)
Standards:	ANSI/ASME SAE B1.2 Tables 10 & 11,Metric B1.16M Tables 11, 12 & 13
Pitch range:	10 TPI or Greater
GR&R:	± 25 micro inches (99%)*
Repeatability:	± 15 micro inches (99%)*
Single Process Cycle:	Less than 2 minutes
SYSTEM SPECIFICATIONS	
System configuration	Self-contained system; external key board, mouse and LCD display
Power requirements	AC 120V
Calibration cycle	Annual / or with any system relocation

* Performed on 3625 Model

 Rev D4