

THE LOTIS® QC-X
THREAD PROFILER:



**HOLDING PRODUCTION UP TO 45 MINUTES WAITING FOR
THREAD MOLD ANALYSIS? SWITCH TO UNDER 45 SECONDS!**

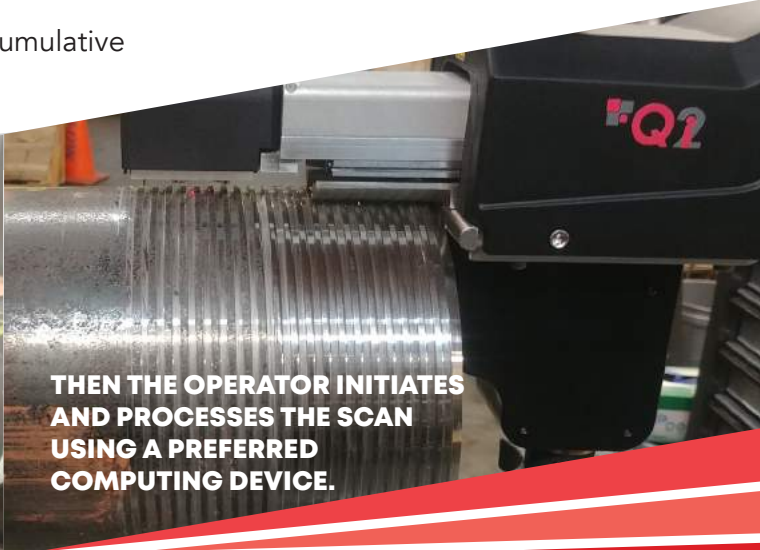
The LOTIS® QC-X Thread Profiler provides OCTG thread cutters with an electronic mold at an inspection station or cutting mill. The QC-X's automated laser measurement technology eliminates the wasted time and lost production inherent in the current molding process.

Your New Process with QC-X:

- An operator or inspector mounts, initiates automated scan, and disconnects all in less than 45 seconds
- LOTIS®QC-X captures measurement of Height, Lead, Cumulative Lead, and Profile Geometry



OPERATOR CLAMPS TO THE END OF THE PIN OR BOX THREADS.



THEN THE OPERATOR INITIATES AND PROCESSES THE SCAN USING A PREFERRED COMPUTING DEVICE.

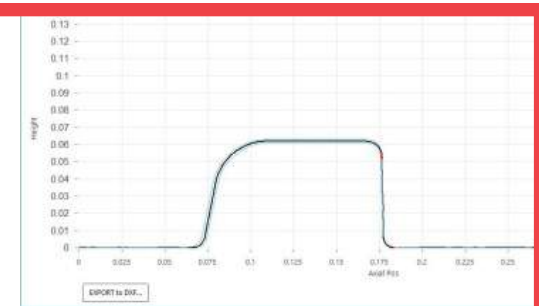
- Inspects API, Semi-Premium and Premium Threads
- Dual laser system can be mounted in any orientation
- Quick and easy to learn
- Reduces human factors
- Digital profile archived for traceability
- Speeds up shift start time



**THREAD PROFILE GEOMETRY:
DISPLAYS ALL THREADS THAT
WERE SCANNED**

Inspection Setup File API Butress Casing(gun).xml	Threadform Type General Butress	Scan Length 2,5	Thre 5
Threadform Profile API 58 4.5 to 13.375 CASING Profile	Threadform Overlay API 58 4.5 to 13.375 CASING Overlay	Proc Start 0,5	Proc 1,7
Part /Setup Identifier API Butress 4.5 to 7.625 int			
Part /Setup Data			
Name	Value	Height	Cum Lei
Part 1	Spec 1	0.9619	0.9998
Part 2	Spec 2	0.9620	1.0000
		MAX DEV	0.0010
		MIN DEV	-0.0010
			-0.0002

**MEASUREMENTS RECORD:
MEASUREMENT OF HEIGHT,
LEAD AND .CUMULATIVE LEAD REPORTED**



**OVERLAY COMPARISON:
INSTANTLY COMPARES THREAD OVERLAY
TO ELECTRONIC THREAD MOLD**

THE LOTIS® QC-X THREAD PROFILER:



SIMPLICITY OF OPERATION

The LOTIS® QC-X Thread Profiler is designed to function in a thread-cutting environment at a workstation. Hardware and software have been engineered for ease of use by any operator.

EASE OF USE:

Intuitive design allows for simple operation. Power and USB connections are on the back of the device.



CRITICAL COMPONENT PROTECTION:
When not in use, the laser scan head is retracted

TECHNICAL SPECIFICATIONS

CAPABILITIES

Thread Types	API, Semi-Premium, and Premium
Thread Height Limit	0.200 in (~5mm) Maximum
Scanning Time	Under 45 Seconds (Included: connect, part scan, data processing, disconnect)
Scan Length	4 in (~100 mm)
Data Management	Automated processing through proprietary system software

SYSTEM REQUIREMENTS

Export Formats	.dxf, .csv
System Components	Scanning profiler, USB/power cable, Power adapter
Power Requirements	100-240 VAC 50/60 Hz
Computing Requirements	Win7 or higher (Win10 Recommended)
Data Transmission	Uses USB 2.0
System Weight	Scanning profiler 6 lbs (2.7 kg)
Profiler Dimensions	L 12" x W 4" x H 6" (30 cm x 10 cm x 15 cm)

Visit us at Qi2.com

QC-X Model-100 Patent List at:
www.Qi2.com/Products-and-Services/Patented-Products

