



## TGIS SL®

### TGIS SL® Tire Geometry Inspection System

Micro-Poise® products support your most critical specifications by bringing you advanced technology. The TGIS SL® measurement system features the AkroSCAN™ Sheet of Light Laser Sensors. Our one-of-a-kind TGIS software works with the Micro-Poise® Geometry System transport to accurately collect and reduce data while reading your test recipe to control motion on the transport. The TGIS server can communicate with various host applications to ensure all your testing needs are met.

#### Features:

- Large Measurement Scanning field allowing for complete tire measurement
- User-friendly RadViewer software
  - Customizable where data is collected
  - Easy to spot and set up process logic and recipes
- Hardware and software contained in a standalone rolling cabinet
- X-Axis baseplate slide for automatic radial axis positioning
- Protective shutters available
- Ethernet communication

#### Benefits:

- Potential to improve sidewall appearance of tires
- Filtering programs to eliminate irrelevant information
- Use of exception region technology to inspect sidewall lettering and ornamentation
- Associates data with individual tire ID's





## TGIS SL® Specifications

**For integration with:** AkroDYNE® with Shuttle Handler

**Operating Software:** RadViewer Measurement  
AkroDYNE®/Grade-Mark-Sort Recipe Measurement

**LRO & RRO Harmonics:** Selectable up to the 50<sup>th</sup> harmonic  
Waveforms available for immediate visualization & analysis

### Performance:

#### Accuracies

Bulge, Depression, Peak-to-Peak	+/- 0.05 mm
Lateral, Radial, Wobble, Run-Out*	+/- 0.05 mm

*\*Using TGIS position calibration and verification device*

## Micro-Tech™ TrueView™ Sensor Specifications

### Data Point Collection:

Scan Rate @ 128 rows	4000 profiles per second
Profiles per revolution	4000
Points per profile	1536
Points per scan	between 3 and 6 million
Sensor Scan Width - Radial and Lateral	50-150 mm
Sensor Stand-Off - Radial and Lateral	190-310 mm
Laser Classification	IIA (USA) / IIIR (Europe)
Encoder Interface	Direct to Sensor

With more than 105 years of innovation behind us,  
we continue pushing leading-edge tire measurement systems forward.  
Micro-Poise®. Better by every measure.

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