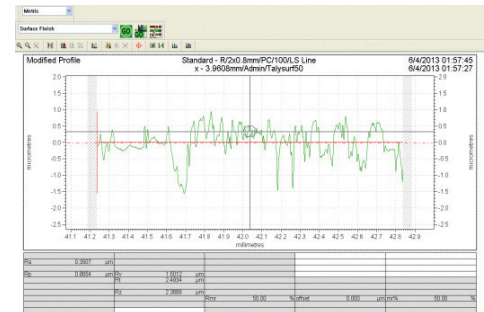
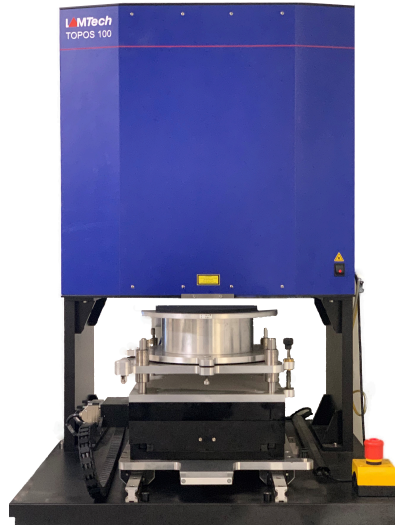
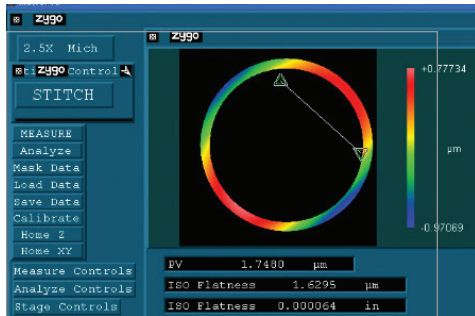


Metrology Lab



FLATNESS MEASUREMENT

Fast and reliable flatness measurement for all of your quality needs. Stahli USA offers flatness measurement of three different types:

- **Zygo Instrument** – Optical flatness measurement that is reliable to the nanometer range accuracy. Typically, it is used when measuring very small parts or step dimensions.
- **LamTec Instrument** – Optical flatness measurement that is reliable to the micron range accuracy. Typically, it is used when measuring a wide range of parts, specifically 11+ inches in diameter.
- **Optical Flats** – We can special order optical flats for any size parts.

SURFACE FINISH MEASUREMENT

Any surface texture can be measured at Stahli USA utilizing several methods:

- **Taylor Hobson** – Physical measurement of the texture of a part using a stylus that can traverse most materials and read to the nanometer range
- **Zygo Instrument** – Optical 3-D texture analysis with accuracy to the nanometer range
- **Mitutoyo** – Portable physical measurements on our shop floor for fast texture analysis

THICKNESS MEASUREMENT

Measurement of thickness on flat pieces can be done at Stahl USA through the use of a Brunswick instrument with accuracy to the nanometer range. Step dimensions and counterbores are measured using step gauges.

YOUR CHALLENGE IS OUR SPECIALTY
Fine Grinding, Flat Honing, Lapping, and Polishing

MEASUREMENTS AVAILABLE

Flatness:

- **Zygo** – Measurement of parts from 0.020 inches to 3 inches in diameter
- **LamTec** – Measurement of parts from 0.25 inches to 11+ inches in diameter
- **Optical Flats** – Built for your specific need

Surface Finish:

- **Taylor Hobson** – Measurement for flat pieces of any size
- **Mitutoyo** – Portable measurement for flat pieces of any size
- **Zygo** – 3D measurement of parts

Thickness:

Brunswick – Thickness measurement to the nanometer range.
Measures parallelism and flatness to the nanometer range.



Stahli is a worldwide leader in the manufacturing of precision flat honing, lapping, and polishing machines. Our name is synonymous with the highest standards of performance, power, automation, productivity, and efficiency for customers in such diverse industries as automotive, electronics, aerospace, and ceramics. The dynamic design of our ultramodern machine line ensures precision and reliability. Stahli machines are user-friendly and environmentally sound.

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