# Keysight 5530 Laser Calibration System
# Are you getting the most from your machine tool operations?

## Keysight 5530 Laser Calibration System

### A Powerful, Portable, Laser-based Machine Tool Calibration System

Accuracy and peak performance are keys to competitive success. Your customers are asking for tighter tolerances and reduced costs. You want to control shop operations, reduce scrap and re-work and improve productivity. Meeting these challenges means that you need to maximize the performance of your machine tools and, as a result, machine tool calibration has never been more important.

To help machine shops succeed in this increasingly competitive environment, Keysight Technologies, Inc.designs and manufactures the 5530 Laser Calibration System with unmatched repeatability and reliability, making it the most cost-effective laser calibration system available.

The Keysight 5530 Laser Calibration System offers users:
– The Highest Accuracy Available
– Portability and Ease-of-Use
– Unmatched Laser Reliability and Lifetime
– NIST Traceable Measurement and Certification

Machine tool calibration with the Keysight 5530 Laser Calibration System can help machine shop operators to:
– Maximize CMM and Machine Tool Performance
– Meet Your Customer's Most Demanding Design and Tolerance Specifications
– Improve Process Control
– Lower Overall Cost of Shop Operations
– Certify Machine Tool Accuracy

**KEYSIGHT**
TECHNOLOGIES

## A Flexible, Modular System

The Keysight 5530 Laser Calibration System is designed with the flexibility to meet your unique calibration requirements. The components of the modular system are small and light weight. The basic system includes the air and material sensors, cables, USB sensor hub, USB axis module, linear measurement kit, laser and tripod. Precision optics, designed for each individual measurement type, are available to complete the system.

The improved electronics and sensors in the Keysight 5530 Laser Calibration System set a new industry standard providing accuracy to 0.4ppm – allowing customers to achieve manufacturing excellence. The Keysight 5519A/B Laser is a dual frequency (heterodyne) laser that enables the inherent accuracy of a two-frequency interferometer calibration and offers 50,000 hours meantime-between-failure (MTBF).

And, since the laser and optics are a big part of the system, Keysight offers several economical upgrade options that allow you to increase the overall accuracy of your system without replacing the entire system.



Small and light weight, the Keysight E1735A USB Axis Module allows users to interface the laser, remote control, and optional A Quad B input cable to any PC.



Sensor cables have easy snap-on connectors so users can quickly change cable lengths as needed.



myKeysight

**www.keysight.com/find/mykeysight**
A personalized view into the information most relevant to you.

www.keysight.com/find/5530

**KEYSIGHT**
TECHNOLOGIES