

# 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



## 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.

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: [www.keysight.com/find/contactus](http://www.keysight.com/find/contactus)

### Americas

Canada	(877) 894 4414
Brazil	55 11 3351 7010
Mexico	001 800 254 2440
United States	(800) 829 4444

### Asia Pacific

Australia	1 800 629 485
China	800 810 0189
Hong Kong	800 938 693
India	1 800 112 929
Japan	0120 (421) 345
Korea	080 769 0800
Malaysia	1 800 888 848
Singapore	1 800 375 8100
Taiwan	0800 047 866
Other AP Countries	(65) 6375 8100

### Europe & Middle East

Austria	0800 001122
Belgium	0800 58580
Finland	0800 523252
France	0805 980333
Germany	0800 6270999
Ireland	1800 832700
Israel	1 809 343051
Italy	800 599100
Luxembourg	+32 800 58580
Netherlands	0800 0233200
Russia	8800 5009286
Spain	0800 000154
Sweden	0200 882255
Switzerland	0800 805353
	Opt. 1 (DE)
	Opt. 2 (FR)
	Opt. 3 (IT)
United Kingdom	0800 0260637

For other unlisted countries:  
[www.keysight.com/find/contactus](http://www.keysight.com/find/contactus)  
(BP-05-19-14)

The Keysight 5530 Laser Calibration System comes with a three-year warranty. An optional two-year extension is available for purchase, providing a total of five-years of warranty coverage.

This information is subject to change without notice.  
© Keysight Technologies, 2008-2014  
Published in USA, July 31, 2014  
5989-9707EN  
[www.keysight.com](http://www.keysight.com)

myKeysight

myKeysight

[www.keysight.com/find/mykeysight](http://www.keysight.com/find/mykeysight)

A personalized view into the information most relevant to you.

[www.keysight.com/find/5530](http://www.keysight.com/find/5530)