Performance Upgrade for your CMM.

ZEISS SensorFit

The Sensor Upgrade for your CMM
With the ZEISS SensorFit retrofit package, you can bring your CMM up to the latest state of sensor technology. The new standard enables you to operate the latest sensors on your machine - both optical and tactile. This allows you to integrate roughness or optical measurement of plastic or elastic components into your measuring device. SensorFit also offers a solution for problems of limited space in the changing rack with the countless stylus combinations of the ZEISS Articulating Stylus.

Regardless of which sensors you choose - ZEISS SensorFit provides the basis that ensures the continuous operation of your measuring machine for the future.

Benefits
- Extension of the measuring spectrum, e.g. roughness measurements, optical measurement
- Secure and sustainable standard - ready for the challenges of tomorrow
- Increase in productivity - more parts can be measured through simplified logistics
- Cost-efficient due to increased effectiveness and low investment compared to the corresponding new equipment
- Additional data for even more reliable analyses
- Entry into digital services possible

Hardware
SensorFit enables the upgrade to the current USS2 standard for ZEISS PRISMO, ZEISS CenterMax and ZEISS ACCURA with controller version C99. For this upgrade, we will supply and install a new controller with series status, new device cabling and the USS2 sensor interface. This gives you the opportunity to equip your CMM with the additional measuring probes and sensors you need for your measuring tasks.
Overview of retrofittable tactile and optical sensors

**ZEISS RDS**
The Basis for Maximum Flexibility
The ZEISS RDS is the best articulating probe holder in its class and is particularly well-suited for measuring complex parts, where features require many styli with different spatial directions.

**ZEISS ViScan**
2D-Sensor for optical measurements
The use of optical sensors is indispensable for highly complex specimens. Combined with RDS, it permits measurements in all spatial directions without rechucking the part.

**ZEISS LineScan**
Optical sensor for capturing surface of forms
ZEISS LineScan is the tool of choice when capturing the entire surface of forms using point clouds is important – whether for a comparison with available nominal CAD data sets or for the creation of a new CAD model.

**ZEISS DotScan**
Optical sensor for capturing freeform surfaces
ZEISS DotScan is an outstanding option for capturing freeform surfaces and even for minute structures. Chromatic white light sensors – and hence also the ZEISS DotScan – are the method of choice, especially when styli or camera sensors reach their limits on sensitive, soft, reflective or low-contrast surfaces.

**ZEISS VAST XTR**
Integrated rotary axis
Thanks to the integrated rotary axis, the new ZEISS VAST XTR gold probe always positions the stylus in the direction of the feature being measured, maneuvers effortlessly through gaps and thus gets wherever it is needed.

**ZEISS VAST**
Ideal sensor for contact scanning
The active scanning sensor offers higher dynamics through optimized moving masses and higher rigidity resulting from optimized joints.

**ZEISS Articulating Stylus**
Highest Flexibility
With the ZEISS Articulating Stylus, the stylus can be adjusted to any angular position between -135° and 135°. A new angular position can be set in just a few seconds, saving both time and storage space for fixed position stylus systems. Due to the combination with the high-precision ZEISS VAST gold measuring head, the stability of the articulating stylus delivers high accuracy.

**ZEISS ROTOS**
A Whole New Dimension for Roughness Measurements
ZEISS ROTOS offers optimum precision and maximum flexibility when performing roughness measurements thanks to its modular design and rotation in three axes: easy-to-change stylus arms further expand the range of possible applications.

---

Carl Zeiss
Industrielle Messtechnik GmbH
73446 Oberkochen, Germany

Sales: +49 7364 20-6336
Service: +49 7364 20-6337
retrofit.metrology.de@zeiss.com
www.zeiss.com/metrology

Get in contact now!