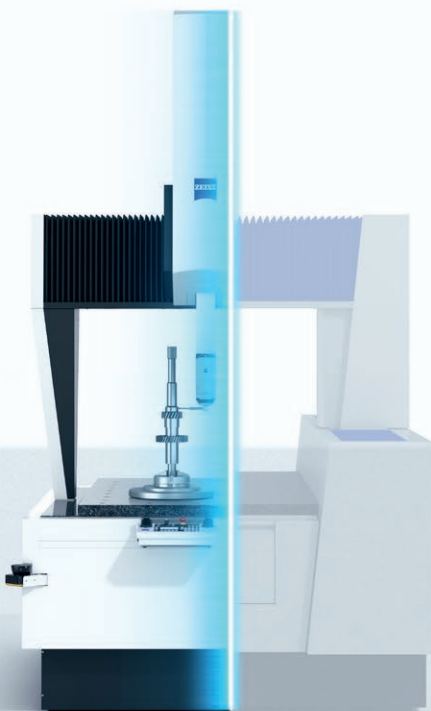


Performance Upgrade for Your ZEISS CMM

ZEISS PerformanceFit



Seeing beyond



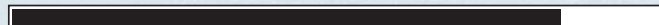
The performance upgrade for excellent sustainability

This retrofit package makes your ZEISS PRISMO CMM cutting-edge once more, ensuring next-level performance plus more efficient use of energy and resources. With ZEISS PerformanceFit, older ZEISS PRISMO CMMs can be upgraded to meet the latest technological standards in changing environments. Extending the service life of your ZEISS CMM is a sustainable and cost-effective way to take advantage of the newest features.

The award-winning ZEISS PerformanceFit increases productivity, halves energy consumption, conserves considerable resources, and reliably meets the latest safety standards.

- Suitable for ZEISS PRISMO manufactured from 2005 onward.
- Includes the features of **ZEISS ConFit**, **ZEISS FutureFit**, and **ZEISS SensorFit**.

Upgrading ...



Benefits



- 50% lower energy consumption and 20% faster probing with new digital control
- Ready for latest ZEISS tactile, optical, and roughness sensor technology via new sensor interface
- 70% lower air consumption thanks to ZEISS AirSaver
- Energy consumption cut by up to 83% during standby with ZEISS PowerSaver
- Around 70% lower investment than new machine
- Ready for digital services such as ZEISS Smart Services

Features



The ZEISS PerformanceFit package includes a new energy-saving digital control system, new device cabling, and a new measuring head adapter. ZEISS AirSaver and ZEISS PowerSaver are integrated to save compressed air and additional energy. The new sensor interface supports use of the latest sensors and sensor technologies on an existing ZEISS CMM. Replacement cladding featuring smaller gaps and extra safety sensors is also provided.

Retrofittable Tactile, Optical, and Roughness Sensors



ZEISS RDS

The basis for maximum flexibility

ZEISS RDS is the best articulating probe holder in its class and is particularly well-suited to measuring complex parts requiring many styli with different spatial directions.



ZEISS ViScan

2D sensor for optical measurement

The use of optical sensors is indispensable for highly complex specimens. Combined with ZEISS RDS, the ZEISS ViScan 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 – whether for comparing with available nominal CAD data sets or creating a new CAD model.



ZEISS DotScan

Optical sensor for capturing freeform surfaces

ZEISS DotScan is an outstanding option for capturing freeform surfaces and even minute structures. Chromatic white light sensors such as 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 to wherever it is needed.



ZEISS VAST

Ideal sensor for contact scanning

The active scanning sensor offers improved dynamics through optimized moving masses and improved rigidity resulting from optimized joints.



ZEISS ROTOS

A whole new dimension for roughness measurement

ZEISS ROTOS offers optimum precision and maximum flexibility when performing roughness measurement thanks to its modular design and rotation in three axes. Easy-to-change stylus arms further expand the range of possible applications.



ZEISS Articulating Stylus

Highest flexibility

This enables stylus adjustment to any angular position between -135° and 135° in just a few seconds, saving both time and storage space for fixed position stylus systems. The highly stable articulating stylus combines with the highly precise ZEISS VAST gold measuring head to deliver excellent accuracy.

Resource conservation through extended service life

Retrofitting a ZEISS PRISMO CMM manufactured from 2005 onward extends its lifetime by up to 10 years. This means that the heavy granite blocks (measuring table weighing up to 11 t) and the steel base frame (weighing around 300 kg) required for an entirely new machine do not need to be manufactured – and even more importantly in terms of resource conservation, they do not need to be transported. Each retrofit therefore saves approximately 2.6 t of CO₂ by extending the CMM service life.

Award-winning innovation

ZEISS PerformanceFit won the 2021 Environmental Technology Award Baden-Wuerttemberg in the Material Efficiency category. This award is presented every two years by the Ministry of the Environment, Climate, and the Energy Sector Baden-Wuerttemberg in recognition of innovative products and processes in environmental technology. These must demonstrate a significant contribution to resource efficiency and environmental protection. ZEISS PerformanceFit impressed the jury with its suitability for particularly large-scale and highly complex retrofit processes in multiple industries. It successfully reduces material consumption, extends machine service life, and halves energy consumption.



Reasons to invest

- 1 Productivity:** New components such as the digital control system, new sensor technology, and the latest measuring software shorten the measuring process by up to 60%.
- 2 Energy efficiency:** Integration of ZEISS AirSaver and ZEISS PowerSaver saves compressed air and energy, significantly reducing CMM consumption requirements during measurement.
- 3 Safety:** Installation of safety sensors and replacement of old cladding guarantees state-of-the-art safety standards and CE compliance.
- 4 Flexibility:** Allows tactile-only ZEISS CMMs to work with the latest tactile, optical, and roughness sensors for extended range of applications. ZEISS Articulating Stylus also saves space by offering countless stylus combinations.
- 5 Increased measuring volume:** Ready for ZEISS ProMax E automated stylus system changer rack, enabling increased measuring volume via additional locations for stylus systems.