

Experience perfect interaction
with Vista.



From a tradition of innovation comes a completely new idea in CMM design.

Carl Zeiss - 150 years experience in optics, fine mechanics and electronics.

Carl Zeiss has a 150-year-old tradition of innovation. As a pioneer in many fields of optics, fine mechanics and electronics we continue to set standards in technology for a wide spectrum of products.

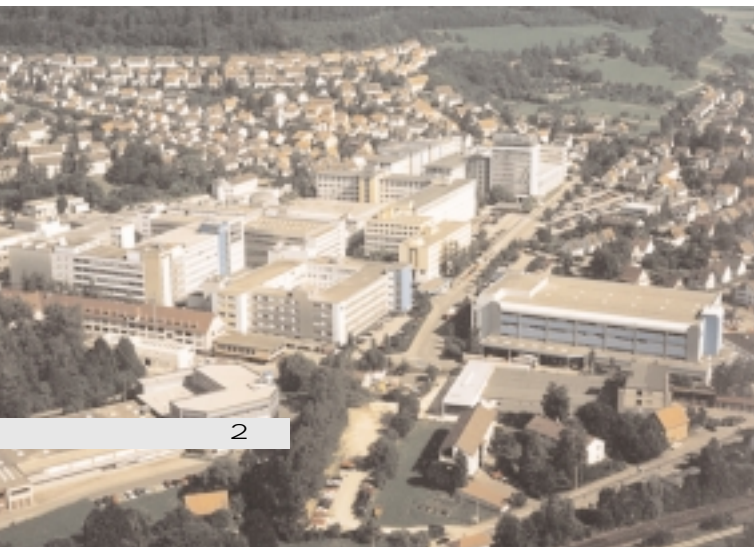
Our commitment to quality, service and innovation.

Zeiss CMMs are manufactured in our ISO 9001 certified facilities in Germany and the United States.

With an open ear for market requirements, hand in hand with our customers, we can offer a streamlined, technically mature product line in all fields of industrial metrology.

In addition, our closely knit service and sales network allows us to respond instantly to your requirements, worldwide.

Zeiss CMMs are manufactured in our ISO 9001 facilities in Germany and the United States. Interaction with your work environment can be as important as the results of your work.





Vista - designed with the human element in mind.

Vista's ergonomic design emphasizes how you interact with your work environment, while offering features and performance that give you superior results. It's what you would expect from a metrology leader.

- Ergonomic machine stand provides for a full range of motion with operator comfort in mind.
- Padded arm rest provides extra support for manual and CNC operation.

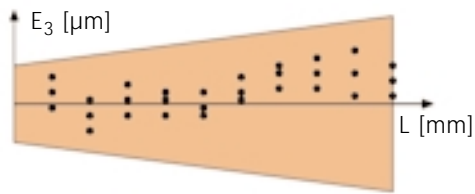


Ergonomic features and benefits.

Vista is the largest benchtop CMM in its class at 400 x 500 x 350 mm (16 x 20 x 14 in.). Yet it is easy to setup and it uses very little floor space. The unique design of the machine stand lets the operator sit comfortably close to the workpiece without limiting range of motion. The padded arm rest provides extra support and comfort. Simple machine features like axis locks and fine-tune adjustments are within easy reach. A quick disconnect feature on the Z-axis allows fast probe head changes, especially when using hard probes. A pneumatic counter-balance on the Z-axis makes it easy to adjust different probe configurations.

Vista is available in manual and CNC versions. For CNC systems, dual-control joysticks offer better control when programming and simplify three-axis movement. The 32-bit digital controller, motor drives and air regulator are integrated into the CMM stand and are easily accessible.





Accuracy is verified at maximum rated measuring speed and certified to ISO 10360-2 and VDI/VDE 2617 standards.

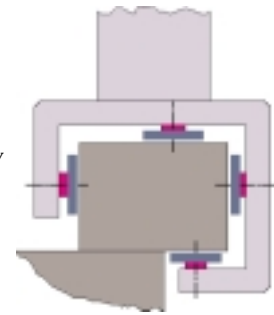
Accuracy at a low price.

Vista CMMs use the same computer aided accuracy (CAA) techniques found in our ultra-high accuracy CMMs. Our rigorous accuracy testing is done at maximum acceleration and measuring speed. This includes the “Y Left Down” position where CMMs normally have the greatest error. All Vista CMMs are certified to VDI/VDE 2617 standards.

Unmatched thermal stability.

Vista’s best-in-class accuracies are guaranteed over a temperature range of 65 °F to 72 °F. The critical X- and Z-axis beams are made of a nonporous ceramic that is virtually unaffected by temperature changes, moisture and other contaminants. Even heat transfer from the operator’s hand on the Z-axis during manual measurement is reduced.

Vista uses low-mass nonporous ceramic on the X- and Z-axis beams for thermal stability and rigidity. Measure parts of almost any size, shape or material.



The Y guideway is supported on four sides for extra rigidity and stability.

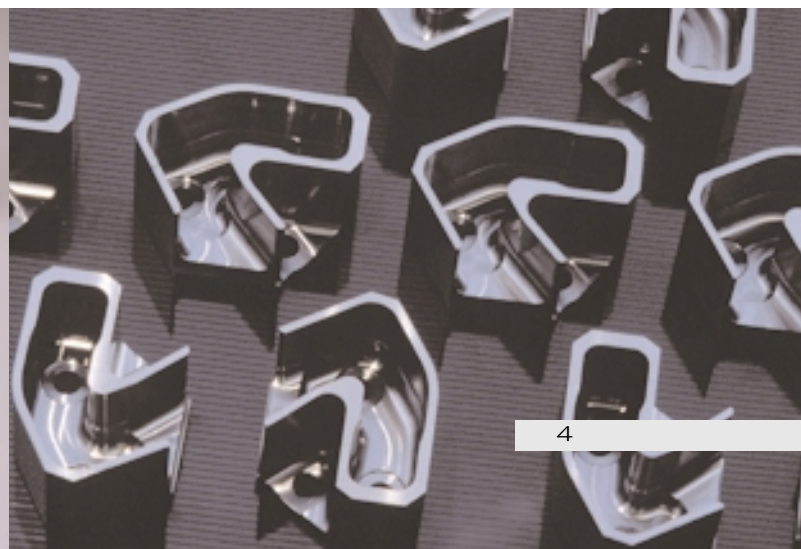
Built for tough environments.

Vista CMMs are made of high-quality Zeiss components and are built with advanced construction techniques. For extra rigidity and stability, Vista CMMs use patented Zeiss air bearings to support all four sides of the Y guideway and advanced low-mass ceramic on the critical X-beam and Z-axis spindle. The capstan drive offers quick acceleration and high speed for CNC operation. The CMM stand (designed using FEA – Finite Element Analysis) and the granite table offer a sturdy and stable mounting base for your workpieces.

Trouble-free operation.

All critical components of a Vista CMM are tested before assembly. After assembly, each CMM is subjected to 50 consecutive hours of testing to ensure reliability and performance immediately after installation. Thousands of Zeiss CMM installations have proven the reliability of our components.

Vista – compact and efficient, for manual or CNC operation. Suitable for individual or series measurement for small to medium parts in your final production.



Choose from powerful software options.

Calypso—CAD interactive software for Windows NT®.

Calypso is a ground-breaking innovation. It uses CAD data to instantly create a measuring program—for an absolutely error-free inspection plan. It can import data directly from all major CAD formats. Calypso supports process-oriented production and permits system-wide data compatibility. Calypso automates the creation of complex measurement sequences. You can accept geometric elements one-by-one or run a complete inspection. Calypso closes the process chain since it uses the same model in design, production and quality assurance.

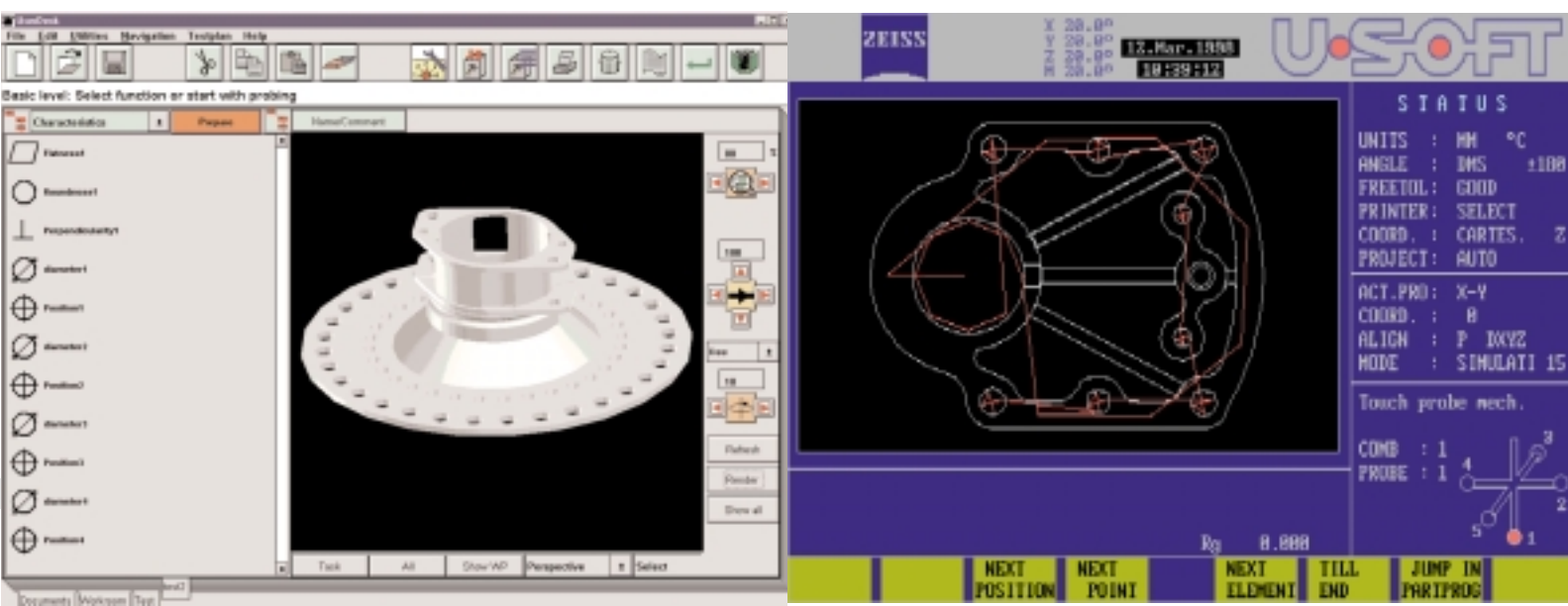
U-SOFT combines ease of use with capabilities.

U-SOFT is a comprehensive but practical measuring tool for machinists, quality inspectors and production workers. It has features an advanced user needs, yet it's so simple that anyone can use it. U-SOFT has a built-in "operator graphics guide" that visually guides the operator. There are also a variety of functions that reduce measuring and programming time, such as "Auto repeat" which allows non-stop measurement of like features. For features that cannot be probed, U-SOFT construction capabilities provide accurate projection of elements or contours. Fully-integrated options such as statistics and digitizing provide flexibility and power to solve complex inspection tasks.

UMESS-UX - Networking, multi-user and multitasking capabilities also with Vista.

With Vista you can use your existing UMESS-UX measuring programs. UMESS-UX allows you to evaluate your Vista measuring results centrally.

Vista can be configured with Calypso, U-SOFT, or UMESS-UX.



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