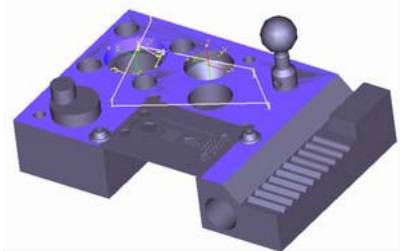
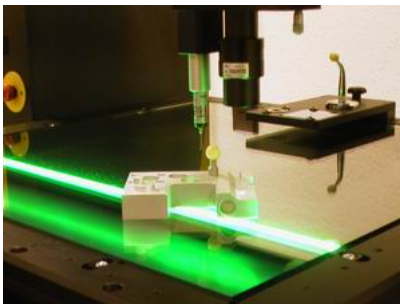




"Open CASCADE Technology is an ideal tool for development of our Vision 3D software. Thanks to the A-la Carte support offered by the Open CASCADE company we were able to refine and perfect our application in no time. Open CASCADE professionals provided prompt technical support and gave answers to all our questions."

Mahr Multisensor



Mahr Multisensor

uses Open CASCADE Technology to develop its Vision 3D software for high-precision multisensor 3D coordinate measurement systems

MISSION

- Create an ActiveX component for Vision 3D application providing a 3D framework for high-precision measurement machines that would allow CAD-assisted automatic programming and combine powerful features with an intuitive and user friendly interface.

SOLUTION

- Development of a CAD ActiveX component for MarCad 3D application using key Open CASCADE Technology components: visualization, data exchange and OCAF;
- Using Open CASCADE Support via A-la carte programs for several years, reinforcing the in house development with remote assistance and on-site consulting provided by native Open CASCADE experts;
- Instant resolution of blocking problems allowed the customer to keep to the planned schedule and make product deliveries in time.

RESULTS

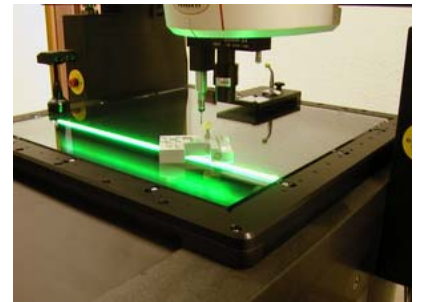
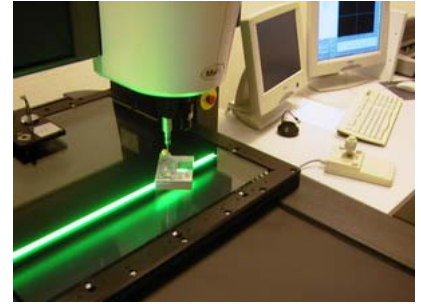
- Reduction of costs thanks to Open CASACDE Public License and open source;
- Implementation of a highly customized data structure and visualization thanks to power and flexibility of Open CASCADE technology libraries;
- Substantially higher productivity due to effective technical support and advice by Open CASCADE;
- Cut down development cycle time thanks to Open CASCADE support and expertise.



FACT FILE

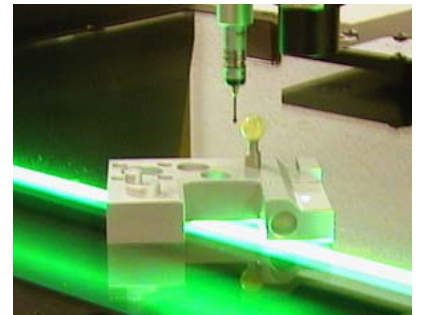
Mahr Multisensor

- Mahr Multisensor GmbH develops, manufactures, and markets optical 3D coordinate measuring machines.
- MarVision products provide high-speed measurements and the option of combining sensors for the highest flexibility. The intelligent combination of optical, laser, and tactile sensors eliminates the need to invest into dedicated measuring machines. Customers in many industries benefit from MarVision products, for example in automotive, aerospace, plastics (including mold & die), electronics and semiconductor, precision mechanics, and medical instruments & implants.
- Worldwide the Mahr Group consists of 16 businesses with total ca. 1400 employees. The group is self-financed and is therefore independent in its strategic decisions.
- Mahr's stable market share, an attractive range of products, and the active development of its future-oriented technologies ensure its leading position in metrology.



MORE ABOUT THE PROJECT

- Developed on the basis of Open CASCADE Technology, *MarCad 3D* highly benefits from its GUI that provides easy, intuitive operation of multiple sensor applications.
- Based on a graphic user interface, Vision 3D is an easy to learn, simple to use and extremely powerful measurement software. The complete 3D measuring software integrates a sensor fusion for CCD (charge-coupled device) camera, laser and touch probe and also an automated calibration routine for all sensors. Easy-to-learn programming is realized by a wizard. After measuring a part there is a graphic and numerical result representation. In case there is the need the user can easily export of the measuring results. Advanced users of Vision 3D application may take advantage of a very efficient Visual BASIC editor, to create complex measuring programs or custom user interfaces.



S u c c e s s w i t h O p e n C A S C A D E

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