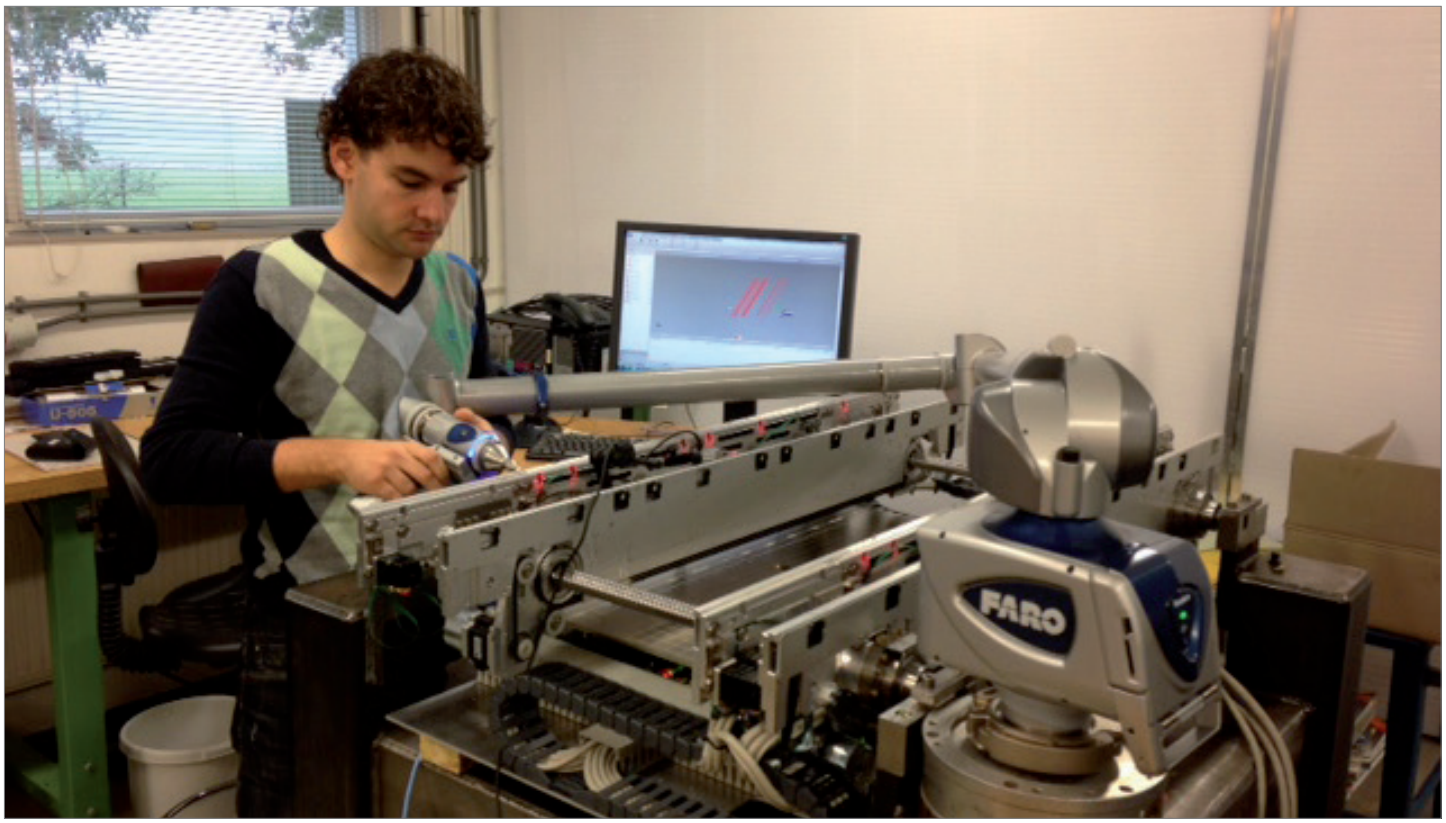
User Story
CCM



Control of tolerances with the FARO Edge measurement arm

Pearl of Mechatronics Netherlands

MECHATRONICS *The Centre for Concepts in Mechatronics (CCM) is a development company that employs the FARO Edge to measure the accuracy of mechatronic modules quickly and efficiently during the test phase.*

The Centre for Concepts in Mechatronics (CCM) is a development company, located in Nuenen near the technology city of Eindhoven, which boasts many years of experience in the development of products and production systems, mainly for semicon, medical and printing applications.

Since 1969, CCM has been successfully providing its services, in which Mechatronics is central. CCM wants to to be "best in class" in this regard and is thus called the "Pearl of Mechatronics Netherlands."

Mechatronics is an engineering discipline that consists of the combination of electrical engineering, mechanical engineering, measuring and control engineering and control technology. The integral and optimal design of a mechanical system also includes the design of a control system. This control system can be designed electronically, but often it will consist of a so-called embedded computer. By designing the mechanical construction and the associated control system at the same time, mechanical constructions can obtain superior characteristics and, at the same time, become cheaper and more flexible.

At CCM, mechatronics, in the broadest sense of the word, is in their genes. The over 85 permanent staff are specialists and realize adequate solutions for issues in physics, mechatronics, mechanics, electronics, electrical engineering and software.

CCM works with a wide range of advanced software such as: simulation and modelling packages. In addition, the company has a cleanroom, test, measuring and fitting rooms and a smaller workshop.

To really realize added value, CCM is happy to cooperate with partners from a broad network of knowledge institutes, system suppliers and vendors Products that CCM has already developed in conjunction with partners, its products in the field of: substrate handling in industrial jetting-uses, and (bio) medical diagnostics, such as bacterium scanning and lung function measurement.

Customers come from the high-tech industry, mainly from the semicon, medical and data storage industry. But CCM is also represented in the aerospace and food industry.

The FaroArm is used by both the Design and Engineering departments for testing at the specification and system levels, as well as in the Realisation and Test department in order >>

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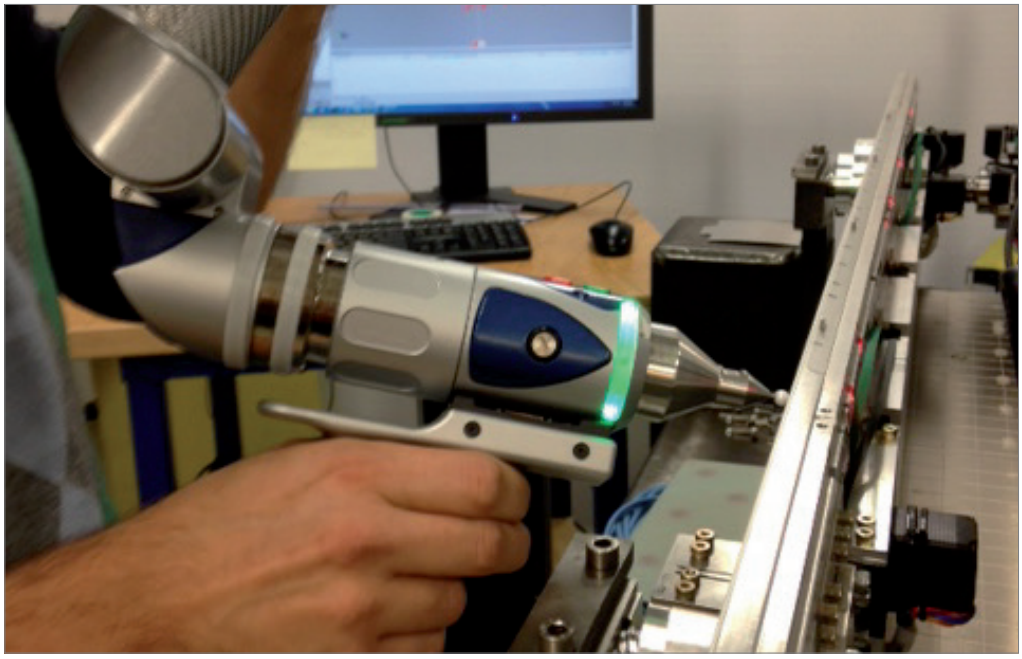

The software makes it possible to compare measurement results quickly.

>> to check components supplied.

We have had the FARO Edge on loan for a while in order to check the transport module developed by us for the production of printed circuit boards for accuracy. This module consists of a number of adjustable parts, which must be positioned fairly accurately relative to each other. The FaroArm has helped us a lot to check these tolerances under different conditions during the testing phase," said Luc Houben, system designer at CCM.

"Before the FaroArm was introduced in the company, we worked with the caliper and altimeter." The main advantage over other products is that the FARO Edge makes it possible to enable a test setup to carry out measurements quickly and efficiently without the need for many tools or setup time. In addition, the CAM2 Measure 10 software makes it possible to compare measurement results quickly".

"De FaroArm is a good product to work with. It makes various measuring activities a lot faster and easier. In addition, both the arm and the software work intuitively, which makes the learning curve very short."

"We not only recommend the FARO Edge, we are seriously considering purchasing this measuring arm ourselves so that we can provide efficient and accurate measurements in the future."

"The FaroArm has helped us quickly to get a good insight into the performance of our product."
"We are seriously considering purchasing a FaroArm!"

LUC HOUBEN, SYSTEM DESIGNER BIJ CCM

CENTRE FOR CONCEPTS IN MECHATRONICS

CCM develops products and means of production for market sectors, such as semicon, data storage, aviation, image processing and printing, biomedical and pharmaceutical industry and hybrid drive technology and energy storage, and agriculture and food industry.

For customers from many different market sectors, CCM has proven to be able to carry out a very wide range of development assignments successfully. These are frequently assignments with a "high tech" character; but CCM also offers solutions with creative added value for other issues, with a more mono-disciplinary character.

The over 85 permanent staff are specialists and realize adequate solutions for issues in physics, mechatronics, mechanics, electronics, electrical engineering and software.

@ WWW.CCM.NL

– 4 GOOD REASONS –

Luc Houben, System Designer at CCM about the FARO Edge:

1 Efficiency: The FARO Edge makes it possible to carry out measurements quickly and efficiently at a test setup without requiring many tools or setup time.

2 Simple: In addition, the CAM2 Measure 10 software makes it possible to compare measurement results quickly.

3 Ease of use: both the arm and the software work intuitively, which makes the learning curve very short."

4 Movement: the measuring arm can rotate flexibly through multiple axes to the measuring point, even if they are difficult to access.

@ WWW.MEASURING-ARMS.FARO.COM

SUMMARY

The Centre for Concepts in Mechatronics (CCM) has employed the FARO Edge in order to check the transport module developed by them for the production of printed circuit boards for accuracy.