

PC-DMIS CMM, basics

PC-DMIS Basic Course for those who will operate or program a CMM

Who can benefit from attending the course?

The course is aimed at new users of PC-DMIS on CMMs. For those who will be working with offline programming of CMMs, the course is suitable for familiarising yourself with the working methodology in PC-DMIS. You may also benefit from taking the course if you have been using a CMM with PC-DMIS for a while and want to enhance your basic skills.

Why you should attend this course!

This course will give you the basic knowledge necessary to use or offline-program a CMM with PC-DMIS software.

What you'll learn

After completing this course, you will have the knowledge you need to get started using PC-DMIS and perform simpler measurements and programming of the CMM. The course also provides you with basics in the areas of measurement technology and evaluations of drawing requirements.

Course duration

The course length varies depending on whether you are using PC-DMIS PRO, CAD or CAD++. The course length for PC-DMIS CAD and PC-DMIS CAD++ is four days. For PC-DMIS Pro enquires, please contact us directly.

Course material

A detailed textbook and exercise book with control questions and exercise tasks. A drill detail is included so that you can repeat the exercise tasks after the course.

Locations

The course is held at our measurement centres in Gothenburg and in Eskilstuna. A number of course sessions are scheduled at fixed times during the year. Each course has space for six participants.



Quick Facts

Target Group

New CMM operators, CMM programmers and those who want to enhance their basic PC-DMIS software knowledge.

Course Objectives

To provide the basic knowledge required to start using PC-DMIS.

Previous knowledge

Computer skills and basic knowledge of drawing reading.

Price:

SEK 18,400 for PC-DMIS CAD or CAD++. The price includes course material, lunch and coffee. Prices are excl. VAT.

More information:

Contact us on +46 16 16 08 05
or by e-mail:
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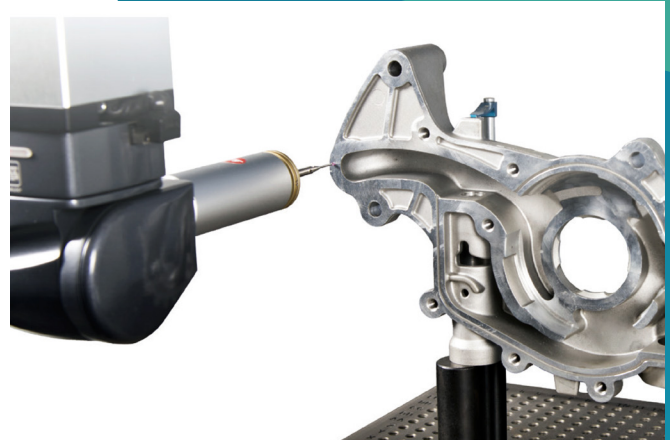
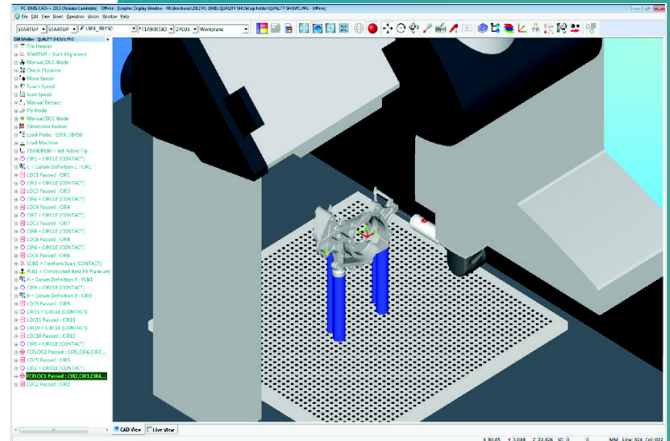
Course content

Days 1–3 PC-DMIS CAD and CAD++

- Introduction to the CMM
- Introduction to PC-DMIS
- Structure of data storage, paths
- Measuring tips, definition and calibration
- Measurement, recognition elements (measured elements)
- Workplanes
- Alignments
- Printouts
- Constructed elements
- Assess coordinate position, dimensions and design flaws
- Evaluate distances
- Evaluate angle
- Create manual measurement programs with evaluations
- Use reports and printouts, basic features
- Vectors, describing direction and orientation
- CNC functions and parameters for CNC
- Display parameters and overall feature
- Auto-element, basic
- Create CNC-controlled measurement programs
- Viapoints and safety plan
- Options and features to run measurement programs
- Shortcut keys

Day 4 PC-DMIS CAD and CAD++

- Window layouts in PC-DMIS
- CAD model, basics, build, format and import
- CAD model, working method for programming and measurement
- Measuring with dynamic data exchange using CAD model (recognition element)
- Program with data from CAD model (auto-element)
- Programming exercises with auto-elements, CNC functions and CAD model evaluations
- Toolchanger
- Introduction to GD&T



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Hexagon is a global leader in sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across the industry, manufacturing, public sector, and mobility applications.

Our technologies are shaping production and people-related ecosystems to become more connected and autonomous, ensuring a scalable, sustainable future.

Hexagon's Manufacturing Intelligence division provides solutions that use data from design, engineering, production and metrology to make manufacturing smarter.

Learn more about Hexagon (Nasdaq Stockholm: HEXA B) at hexagon.com and follow us at [@HexagonAB](https://twitter.com/HexagonAB).