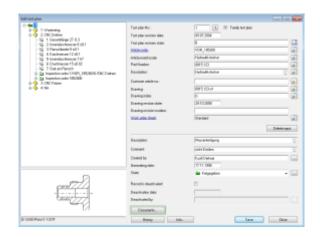
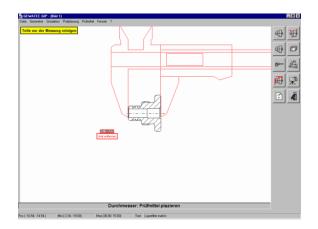
# **CAQ 5000**

### **Computer-aided Quality Assurance**





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#### Inspection plan management

Using CAQ 5000 inspection plan management, inspection plans are drawn up with the respective work process and associated attributes. Via context menus the user is guided quickly and efficiently through the creation of inspection plans including the generation of inspection orders. Creating a control plan is embeded into standard inspection planning and thereby reduces the efforts significantly. By marking an inspection plan as family inspection plan, its attributes can be transferred to other inspection plans.

## Graphical interactive inspection planning

An inspection plan can be made by a graphical interactive process. Measuring points on the drawing are set by simply moving the mouse to the position for measurement and clicking on the measuring point. A measurement operation is assigned to each measuring point. Measuring points are assigned to the individual attributes by creating a measurement macro.

### Inspection equipment management

Quality assurance requires that all inspection equipment is constantly monitored and regularely callibrated. Using CAQ 5000 inspection equipment managment all inspection equipment is registered compliant with standards and managed efficiently. CAQ 5000 features include a scheduler to monitor and manage inspection due dates.

### Inspection equipment monitoring

Measurement systems analysis compliant to relevant standards assesse inspection equipment for its suitability for SPC applications. Integrated calibration planning allows the generation of individual test instructions.

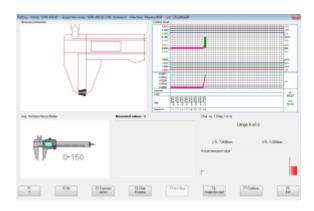
### Inspection equipment capability

CAQ 5000 makes it possible to carry out measurement systems analysis using methods 1, 2, 3, and 6.

# **CAQ 5000**

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#### Initial sample inspection

With CAQ 5000 initial sample inspection you can generate initial sample inspection reports quickly and efficiently compliant with related standards. Initial sample inspection includes due date monitoring or initial samples to be re-qualified.

### **Quality data recording**

Graphical interactive dialogues guide the machine operator reliably through the measuring process, irrespective of the measurement platform. A control card is part of the measuring process. CAQ 5000 shows the part to be tested with the measuring equipment, as defined in the inspection plan. **Machine tool probing**: CAQ 5000 can collect data from 32 probes. The measuring results can be combined logically.

### **Quality statistics**

During all measurement operations the machine operator can perform all statistical anaysis. Control cards, histograms, probability plots and process indices, as well as measures and remarks can be displayed with one click any time.

### **Complaint management**

The complaint management system manages and monitors all internal and external complaints. After registration of a complaint a 8D report is produced detailing the specific error description and the measures to be taken. In case of an external fault, the customer's complaint can be forwarded directly to the supplier. To achieve systematic and consistent quality improvements, complaints can be analysed by suppliers, customers or others any time.

**FMEA (Failure Mode and Effects Analysis)** FMEA allows complex processes and structures to be presented in a simple way. Weak points can be avoided prior to production by taking appropriate measures. Process and system structures are presented clearly in a tree hierarchy. Comparison before and after effect of the quality is possible.