

example, here you can find any data required for planning the measuring process (such as sampling data, action and warning limits, measuring devices and so on).

- Support of a number of tolerance tables for determining the tolerances in case of missing specifications within the drawing.
- Deleting and adding a new characteristic (stamp).
- Renumbering on automatically identified views.
- Marking a construction element including the option to assign several characteristics to it.
- Copying a construction element including assigned characteristics. In case of identical construction elements (such as multiple identical diameters) this will generate duplicates of characteristics.

Multiple different measuring devices / inspection plans

- Usually a complex part cannot be measured by using a single device. And often there are multiple measuring workplaces where several characteristics to a single inspection operation are combined.
- Easy assignment of a measuring device and transfer to other characteristics.
- Separation into multiple inspection places or groups of inspection places that afterwards will get an own inspection plan.

Inspection within a drawing

- The drawing with its graphical user dialogue makes inspection much easier. For example the characteristic that should be measured next is highlighted in purple and can therefore be identified very quickly.
- Entry of a measurement can be done using the keyboard or a connected measuring device. The result will be displayed graphically as a bar.
- After a characteristic has been measured the program automatically activates the next one. Alternatively it is possible to choose manually, too.
- Highlighting of the characteristic in green or red (tolerance exceeded). Characteristics that are shown in blue have (still) not been inspected.

- Entering the results for attributive characteristics is done using the error code table.
- In case of initial sampling inspection either the supplier or the recipient can perform the inspection.
- Measurements can be edited until the form is left.

General features of the viewer

- Moving, enlarging, and minimizing the drawing.
- Moving and rotating stamps to make overlaid information visible.
- Printing of the drawing.

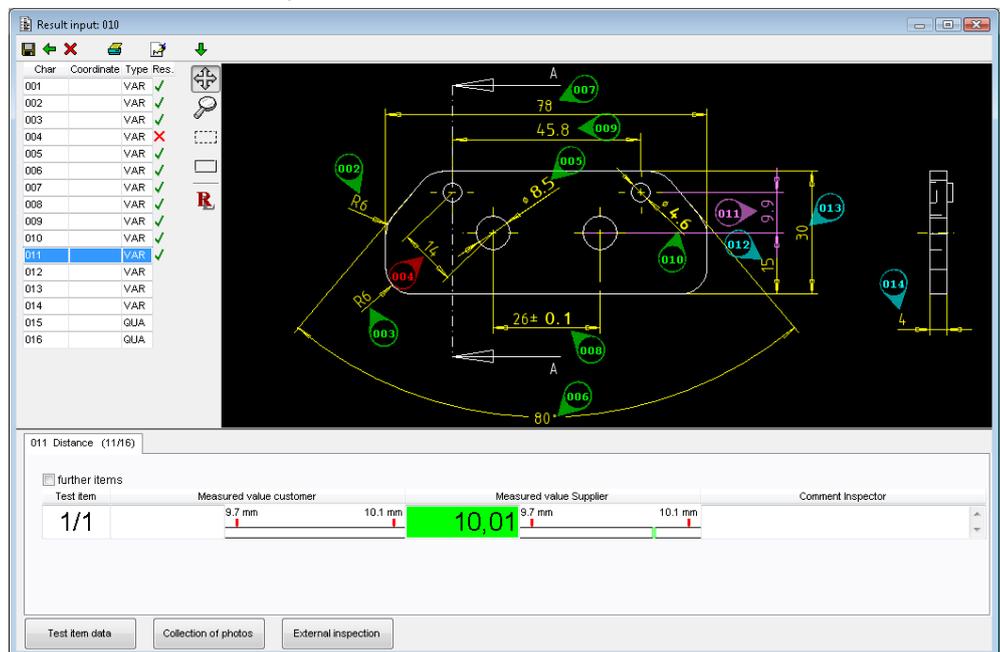
Interfaces to third-party software

For further processing of the inspection plan or inspection order data these can be exported to a third-party system in different formats:

- DFQ (Q-DAS)
- XLS (Excel)
- XML
- SAP

Interface to Calypso (Zeiss)

iQ-CAD-Interface provides data from the inspection plan to Calypso using the DFQ format. Therefore it is available for developing a measuring program to control a coordinate measuring device. Required customizations of the interface between Calypso and iQ-BASIS to reflect improvements in both systems will be specified and integrated together by both companies to satisfy the needs of their customers.



Interfaces to Other iQ-BASIS Modules

- iQ-PLAN as basis for creating and managing inspection specifications from drawings
- iQ-PAUF as basis for applying the different kinds of inspections (such as iQ-EMP) by capturing the measurements – either by hand or by taking values from a machine

