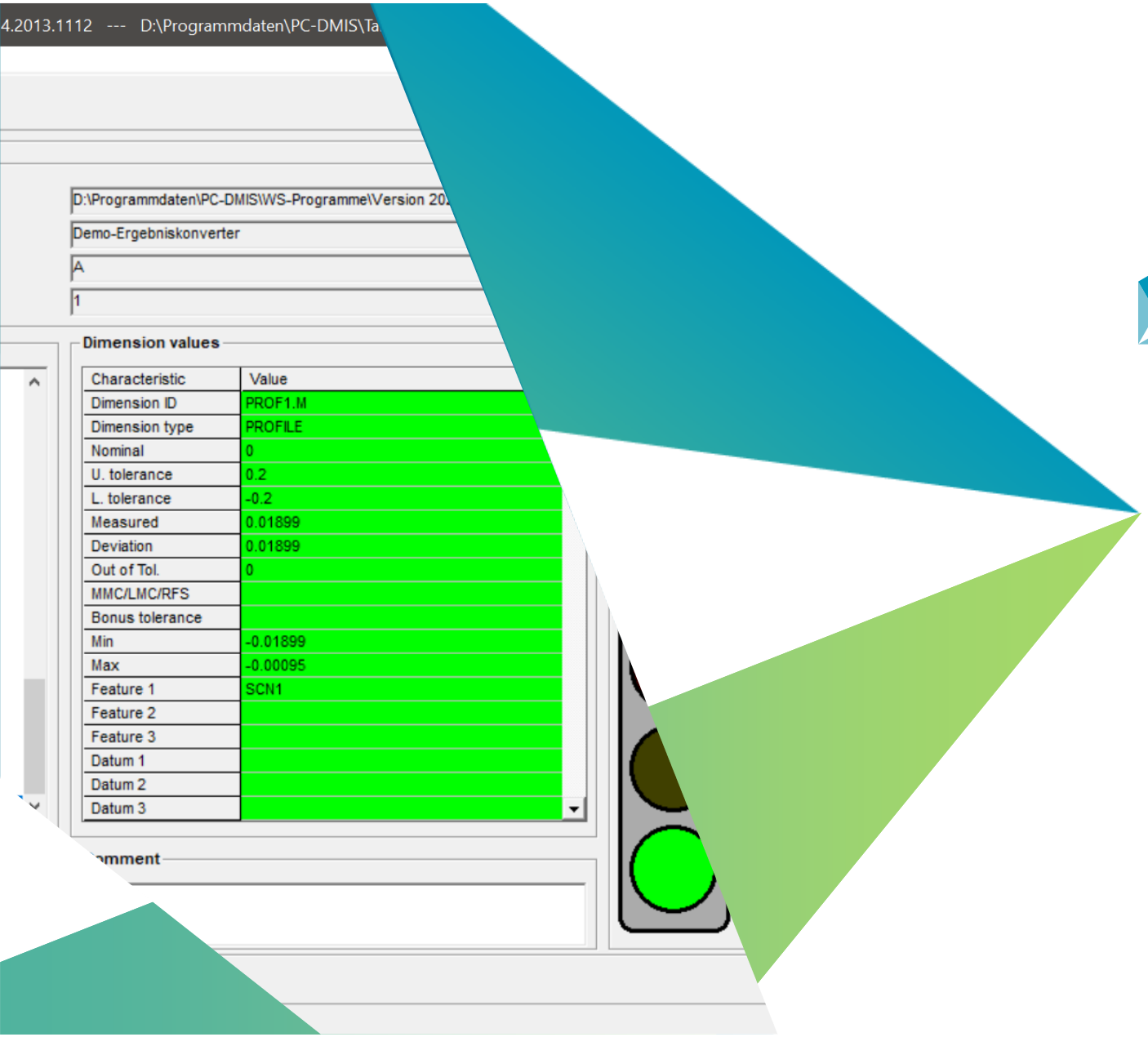

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PC-DMIS Ergebniskonverter

Product Presentation

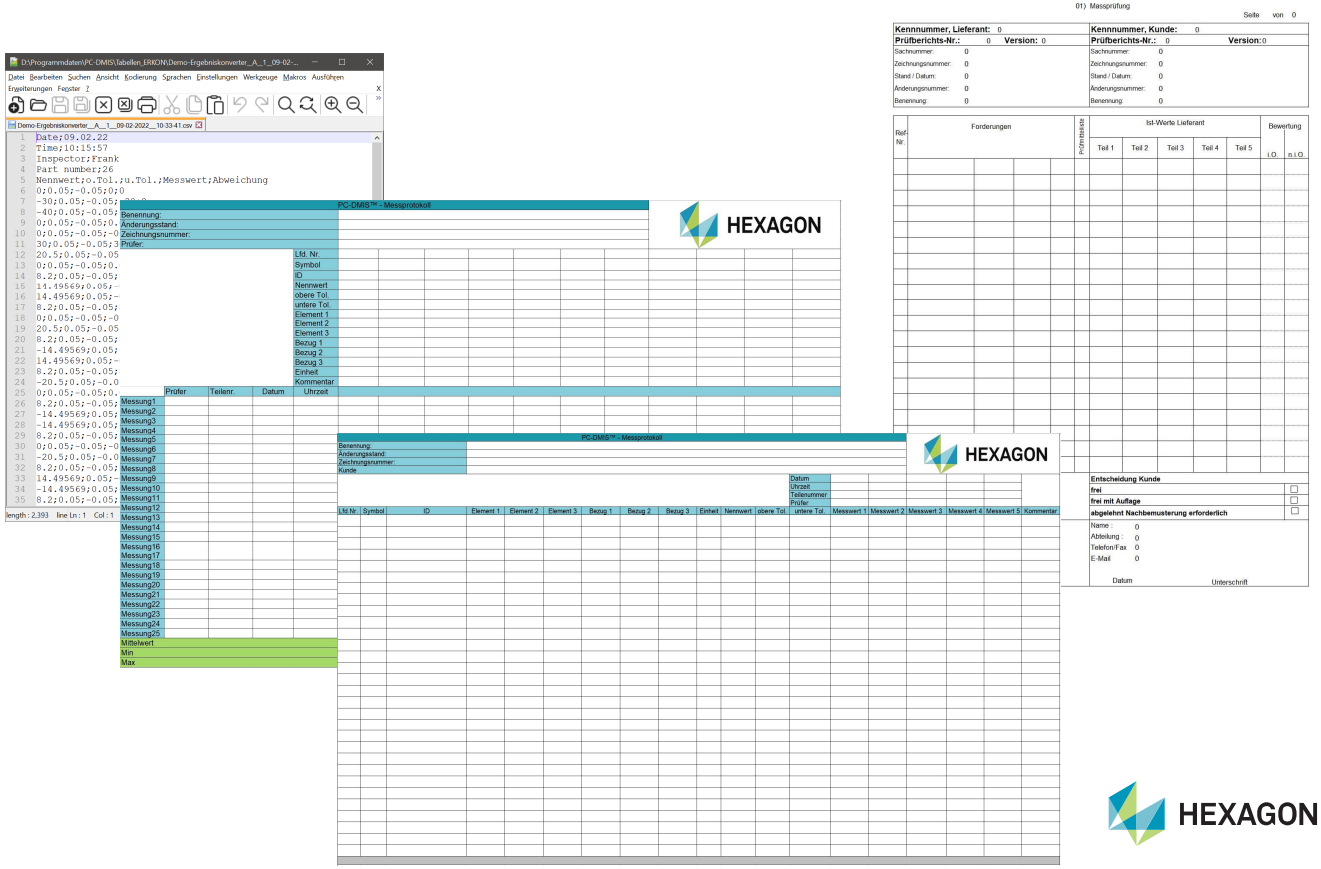
Status: February 14, 2022

PC-DMIS Ergebniskonverter

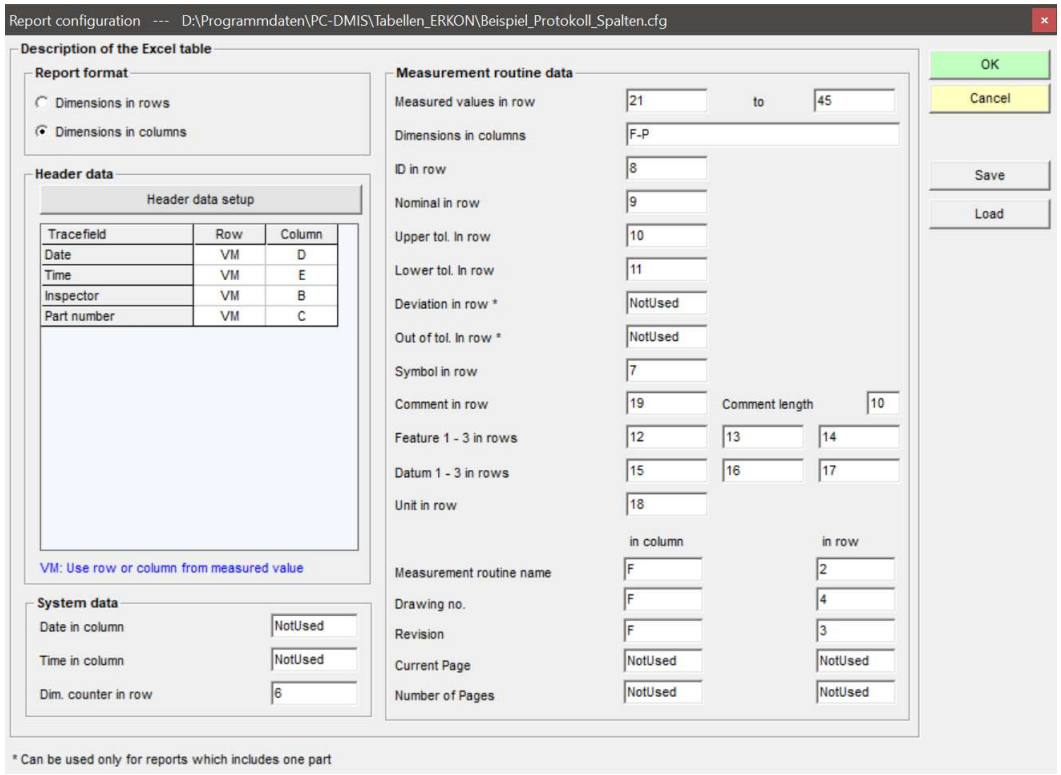
The PC-DMIS result converter provides a flexible output interface for dimensions from the PC-DMIS measurement routine. The data can be output directly in a predefined Microsoft Excel spreadsheet or in ASCII files.

You are familiar with the situation where a wide variety of table or file formats are required with the measurement results?

The PC-DMIS result converter was developed for this purpose. Be amazed by the flexibility of the software.



PC-DMIS Ergebniskonverter – Configuration of the Excel tables



- The different table templates can be configured in the report configuration.
- Desired header data can also be defined here.
- An unlimited number of configurations can be created, saved and loaded and used at the desired time.

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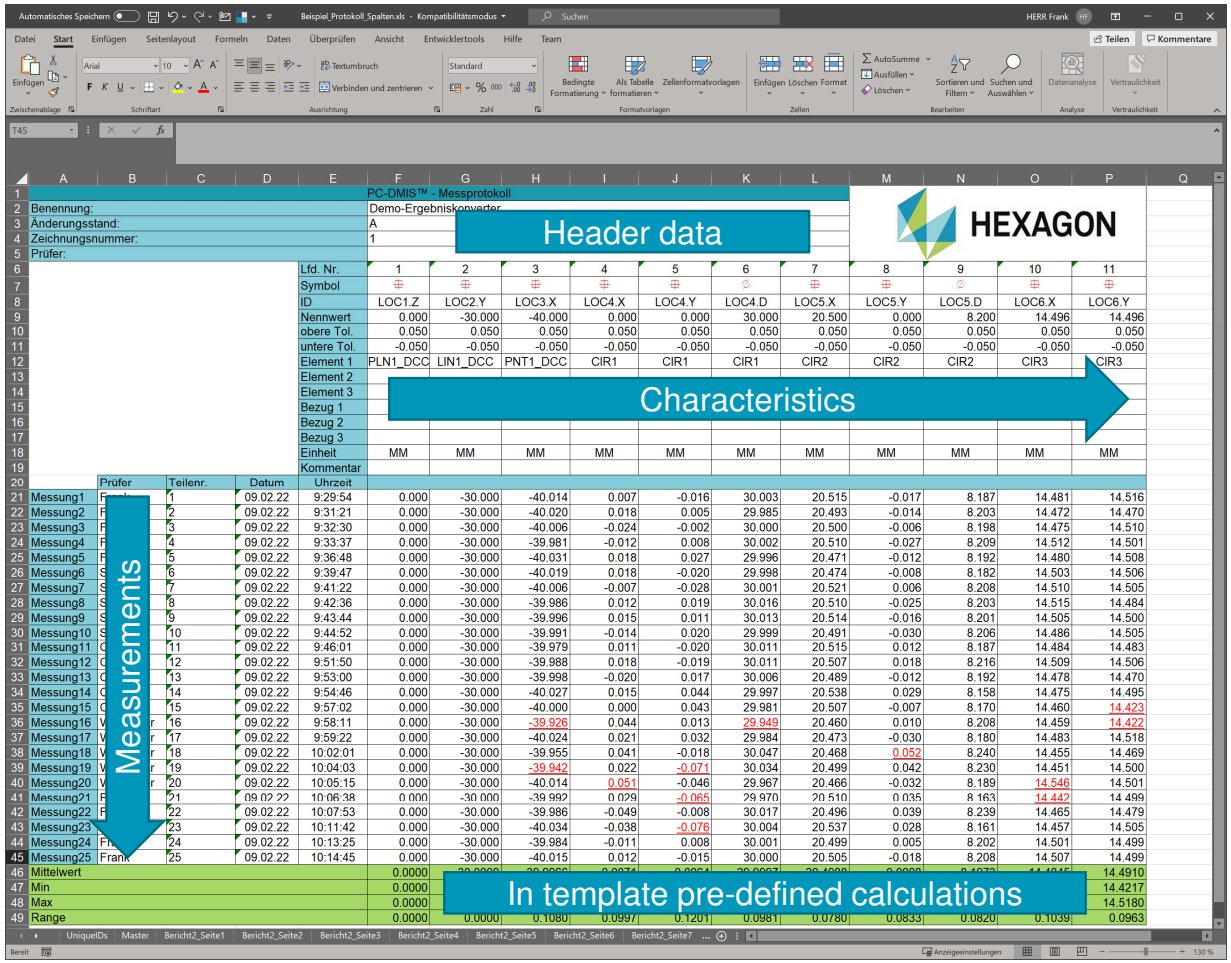
PC-DMIS Ergebniskonverter – Example of an Excel spreadsheet



- A sample report in Microsoft Excel is shown in the image on the left. This report is limited to a size that can still be printed on an A4 format.
- If this area is not sufficient to display all characteristics, several tabs are automatically created on this page.
- Both the page and the report are incremented. Thus, the report can be considered unlimited.
- Each page is based on the template provided by the customer (“Master” tab).
- The "UniqueIDs" tab is created automatically and is used to identify changes in the measurement routine.

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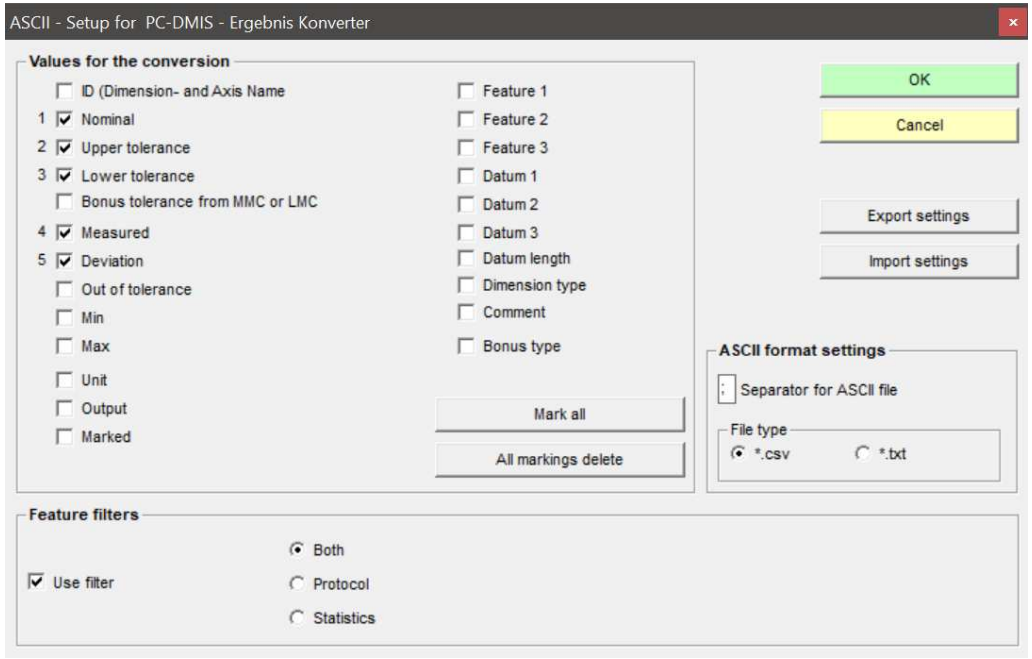
PC-DMIS Ergebniskonverter – Configuration of the ASCII output



- In the ASCII setup it is determined which characteristic data is output per characteristic, in which order and with which separator.
- The feature filter can be used to specify which output option of the feature should be considered in the PC-DMIS measurement routine.
- The ASCII file can be output in .csv or .txt format.

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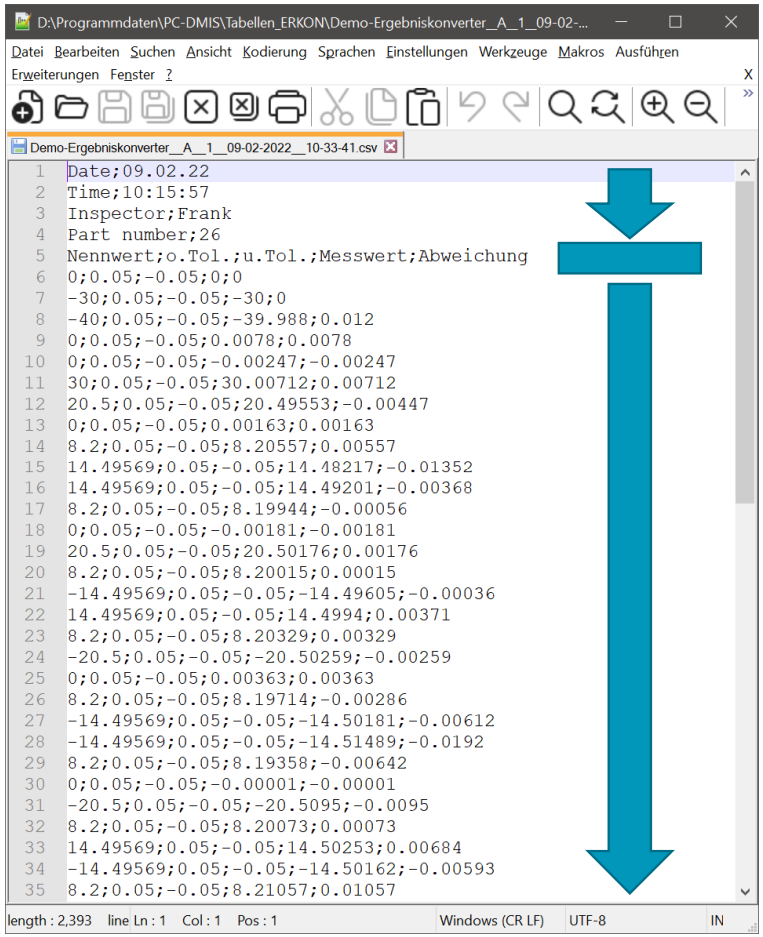
PC-DMIS Ergebniskonverter – Example of an ASCII file



- The output file is divided into 3 areas:
  - Header data (fully configurable)
  - Heading of the measured values (results from the configuration)
  - Characteristic data (one line per characteristic)

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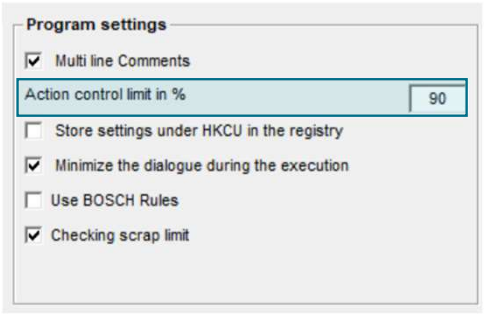
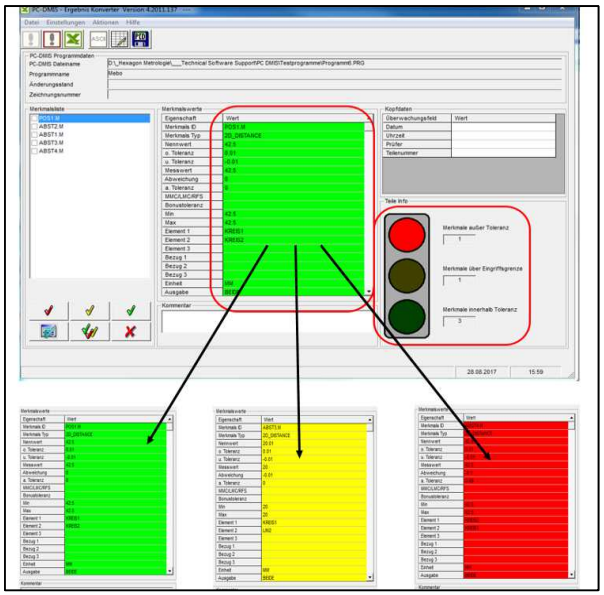
PC-DMIS Ergebniskonverter – Control limits





- A control limit can be defined in % of the tolerance.
- The features are differentiated by color (within tolerance, within tolerance but violation of the action limit, outside of tolerance).
- A traffic light warns the operator if intervention or tolerance limits have been violated.

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PC-DMIS Ergebniskonverter – Scrap limits

Dimension	Axis	Nominal	Upper toleranc	Lower toleranc	Upper limit	Lower limit
LOC1	Z	0	0.05	-0.05	0.05	-0.05
LOC2	Y	-30	0.05	-0.05	-29.95	-30.05
LOC3	X	-40	0.05	-0.05	-39.95	-40.05
LOC4	X	0	0.05	-0.05	0.05	-0.05
LOC4	Y	0	0.05	-0.05	0.05	-0.05
LOC4	D	30	0.05	-0.05	30.05	29.95
LOC5	X	20.5	0.05	-0.05	20.55	20.45
LOC5	Y	0	0.05	-0.05	0.05	-0.05
LOC5	D	8.2	0.05	-0.05	8.25	8.15
LOC6	X	14.49569	0.05	-0.05	14.54569	14.44569
LOC6	Y	14.49569	0.05	-0.05	14.54569	14.44569
LOC6	D	8.2	0.05	-0.05	8.25	8.15
LOC7	X	0	0.05	-0.05	0.05	-0.05
LOC7	Y	20.5	0.05	-0.05	20.55	20.45
LOC7	D	8.2	0.05	-0.05	8.25	8.15
LOC8	X	-14.49569	0.05	-0.05	-14.44569	-14.54569
LOC8	Y	14.49569	0.05	-0.05	14.54569	14.44569
LOC8	D	8.2	0.05	-0.05	8.25	8.15
LOC9	X	-20.5	0.05	-0.05	-20.45	-20.55
LOC9	Y	0	0.05	-0.05	0.05	-0.05
LOC9	D	8.2	0.05	-0.05	8.25	8.15
LOC10	X	-14.49569	0.05	-0.05	-14.44569	-14.54569
LOC10	Y	-14.49569	0.05	-0.05	-14.44569	-14.54569
LOC10	D	8.2	0.05	-0.05	8.25	8.15
LOC11	X	0	0.05	-0.05	0.05	-0.05
LOC11	Y	-20.5	0.05	-0.05	-20.45	-20.55
LOC11	D	8.2	0.05	-0.05	8.25	8.15

- In addition to the tolerance, scrap limits can also be intelligently added to the characteristics and monitored in the PC-DMIS result converter.
- This is a function that is in demand, especially in the prototype phase.

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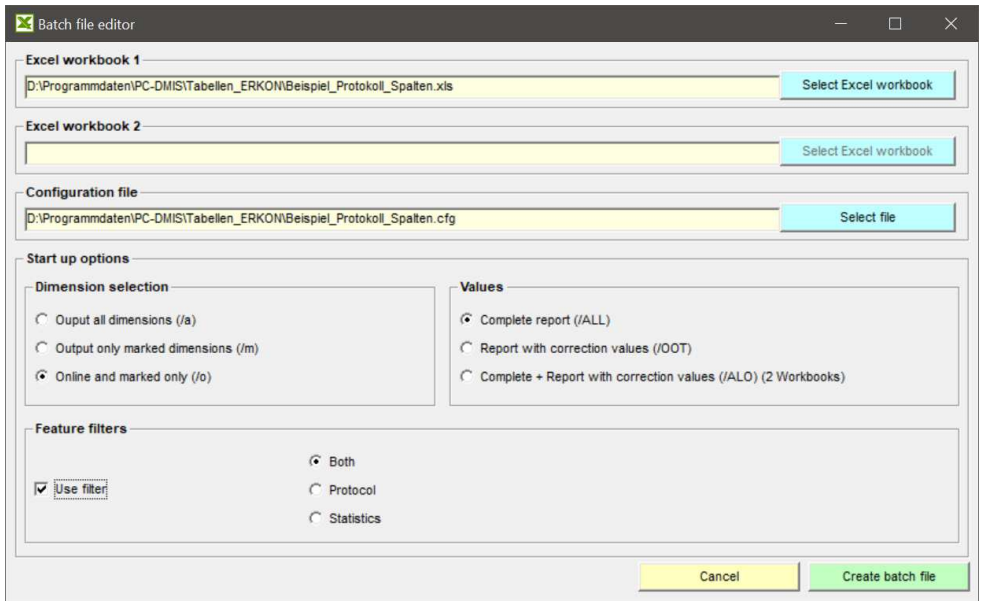
PC-DMIS Ergebniskonverter – Integration into the measurement routine



- The PC-DMIS results converter can be started directly from a measurement routine.
- For this purpose, a batch file can be generated via a dialog, which is then integrated into the measurement routine using an external command.
- The Excel file, the associated configuration and the characteristic filter are selected via the content of the batch file.
- This means that no operator intervention is required when using the measurement routine and nothing stands in the way of using the PC-DMIS result converter in an automated process.

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Have we piqued your interest?

Simply download the software from our server and apply for a non-binding demo license.

https://ftp.hexmet.de/PC-DMIS/PC-DMIS_Ergebnis_Konverter

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