KISTLER

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CEUS 10

Type 5413-622…

The all-in-one software solution for process assurance in fastening technology

This web-based Windows software from Kistler performs all standard-compliant and documented tasks required for process assurance – before, during and after tool testing for the fastener assembly process.

- Tool testing of nutrunners, impulse drivers and torque wrenches on cerTEST systems from Kistler
- Operation is simple and intuitive
- Quick measurement functionality with documentation option
- Tools and fastening points can be stored in the database for repeat measurements and documentation
- Customized user management

Description

The CEUS 10 software is a reliable platform for all tool tests in connection with the fastener assembly process: it is simple and intuitive to operate and offers a wide range of evaluation options.

Thanks to intuitive guidance, users can perform tests in the "Quick measurement" test strategy by specifying the tool technology (e.g. nutrunner, impulse tool, setting or indicating torque wrench). The test can be started within a very short time, directly after entering the parameter to be evaluated (torque, or angle of rotation) with the desired target parameter and any auxiliary parameters that may be required. For quick measurements, this eliminates the time and effort needed to set up tools or fastening points in the master data of the database. The standard-compliant (or freely definable) tolerance limits and statistical parameters required to evaluate the measurement results are already stored, and can be adapted individually. With the help of predefined dialogs, the data from the quick measurement can be taken as the basis for further test strategies and stored in the database for future use.

In the "Tool test" strategy (machine capability test), tools that have already been set up can easily be accessed from the dialog and tested at several individual test points, using the stored characteristic data as the basis.

Once checking of the appropriate number of test points is completed, the final step is the evaluation of the tool's capability with the help of stored tolerance limits and statistical parameters.

The "Fastening point and tool" test strategy (bring-in capability and keep-in capability) links stored target parameters of a real fastening point in the production process with a tool assigned to this application case, so the tool can be specifically set up and process capability can be verified at regular intervals.

Each test performed in the software is stored in a database to allow complete traceability of the tool tests in the fastener assembly process. The stored data can be called up at any time for further evaluations; graphic and table views are available, and the data can also be shown in test reports.

Language packages included with the software allow operators to change the user interface language at any time. Thanks to its ability to display reports and evaluations in different languages, the CEUS 10 inspection software meets the requirements for use in multiple plants at international locations.

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Application

The CEUS 10 software is used in conjunction with the cerTEST tool testing system for process assurance of tools for the fastener assembly process.

Ordering key

		Type 5413-622 ☐
Version		
CEUS 10, cerTEST	**02S**	

Hardware and software requirements

Current hardware requirements (min. system recommendation)
Intel Pentium N4200 1.1 GHz
4 GB RAM
500 GB S-ATA hard disk
Screen format 16:9 with resolution 1920 x 1080
4 free USB 2.0 ports (BUS-powered)
Recommended hardware equipment
Intel Core-i5 2.4 GHz
8 GB RAM
1 TB S-ATA hard disk
21.5″ TFT touchscreen 16:9 with resolution 1920 x 1080
4 free USB 2.0 ports (BUS-powered)
Operating system
Microsoft Windows 10 64-bit, min. build 1709
Language packages included
German
English
Chinese (simplified)
French
Italian
Japanese
Polish
Spanish
Turkish
Portuguese
Dutch