

# CS WIN NX<sup>®</sup>

## TEST SOFTWARE

**NEW STANDARDS FOR TESTING IN CABLE ASSEMBLY.** The new generation of the well-proven TSK test software with more than 6,000 installations, has been further advanced to include even more powerful features. From the simple installation to the comprehensive test result: With “TSK Studio”, the test software forms the switching center for all electrical tests, torque wrench actuation, and Vision tests, including communication with other systems.

The clear representation allows quick and direct access to the most frequently used functions. The standard features of the world’s leading test software for cable testing are represented in a new graphical user interface. The newly implemented “Expert Mode” has been given a familiar structure, and the user can work in the well-established software environment. For improved communication with the user, the number of available languages to choose from has also been extended. The structured licensing model with various equipment packages allows high customized functionality, and ensures test applications with a maximum of efficiency.

## FEATURES

### PERFORMANCE FEATURES

- » Simple and straightforward installation
- » Automatic hardware detection
- » Various drivers for cable testing, vision testing, and more
- » Easy and central user administration
- » Clear module management
- » Database manager as a central administration tool for the user
- » Easy-to-use project editor that allows individual sequence control of each test and project
- » Import of test programs, module management and connector libraries created in the previous CS WIN test software
- » Simple programming via ‘multi-windows editors’, and simultaneous working on several test programs
- » Easy labeling thanks to the graphical label editor
- » ActiveX interface, e. g. for bi-directional data transfer between different applications
- » Screen displays in many languages



## POTENTIAL APPLICATIONS

- » Wiring test
- » HV isolation test
- » Vision test/image processing
- » Assembly part testing
- » Torque wrench actuation

## SYSTEM REQUIREMENTS

### Supported operating systems:

- » Microsoft Windows 10 (64 bit), (min. 8 GB RAM)

### Minimum requirements:

- » Dual Core CPU, Intel G3xxx or better; supported hardware: (depending on license)
- » CT45 cable tester/Ethernet I/O /WTS

## PRODUCT OVERVIEW

<p><b>ADVANCED PACKAGE</b> Art. No.: 401 466</p>	<p><b>QUALITY PROFESSIONAL</b> Art. No.: 401 467</p>	<p><b>JIT PROFESSIONAL</b> Art. No.: 401 468</p>	<p><b>ONLINE CLIP TEST</b> Art. No.: 401 469</p>	<p><b>HCT</b> Art. No.: 401 553</p> <p><b>VISION SYSTEM</b> Art. No.: 401 470</p>	<p><b>VISION ASSEMBLY</b> Art. No.: 401 889</p>	<p><b>CS WIN NX EDIT PROFESSIONAL</b> Art. No.: 401 477</p> <p><b>CS WIN NX EDIT</b> Art. No.: 401 476</p>	<p><b>CS WIN NX JIT ENTERPRISE</b> Art. No.: 401 478</p>
<p><b>CS WIN NX STANDARD</b> Art. No.: 401 465</p>							

## GENERAL INFORMATION ON THE SOFTWARE STRUCTURE

The structured CS WIN nx® test software with various equipment packages offers high customized functionality and ensures test applications with a maximum of efficiency.

The CS WIN nx® standard package already includes all the functions required for full cable testing. Based on this, the options provide individual production- or system-specific extensions. CS WIN nx® systems can thus be optimally integrated in your production process.

Read more about the functionality of the individual CS WIN nx® options in the product flyer or the product overviews. Please refer to our General Terms and Conditions and the software agreement conditions for details on the licensing model.

**Note:**

Extensions (gray boxes) require the appropriate basic version listed underneath (gray box), and the standard version (blue box). For the CS WIN VISION SYSTEM recognition incl. height control, for example, the following items are required:



## CS WIN NX STANDARD

This is the standard software used for all types of test system. It comprises all standard editors required for cable test systems. The software can be used for cable testing with the CT45 cable tester, and for the Ethernet I/O control of digital IOs. All data of the CS WIN can be imported. This version can also be used to edit the CT15, CT15i, CT20, CT30, CT30i and CT30ix cable testers.

**The following limitations have been imposed on the standard version:**

- » Only one object at a time can be opened and edited
- » Only one database per test system is supported
- » Only “integrated” functions can be used in the Project Editor, VB Script or extensions for macros are not supported

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## ADVANCED PACKAGE

With this extension you can open or edit more than one object at the same time. The graphical label editor GLabel is available. The Program Editor offers powerful editing functions. All types of import/export formats are available. In the Project Editor, you can apply macros and edit VB Script. The test options Presence Test and Graphic Assembly Support are available. Editing of audio files is possible. Direct access to analog measurements (Ethernet AI and CT35). The definition of lots and the filtering of objects in electrical test programs (Part Purpose Filter) are possible.

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## QUALITY PROFESSIONAL

Quality data collection (QDE) incl. QDE set-up, quality data visualization (QDV).

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## VISION SYSTEM

All Vision test algorithms (fuses, relays and labeling).

Software license Art. No.: 401 470

## JIT PROFESSIONAL

Testing of generated orders, online order generation, manual order generation.

Software license Art. No.: 401 468

## HCT HEIGHT CONTROL

Verifying the insertion depth of fuses and relays (only in combination with Vision system).

Software license Art. No.: 401 553

## ONLINE-CLIP-TEST

Online Clip Test for mobile and fixed assembly boards through wireless clip test (WTS).

Software license Art. No.: 401 469

## VISION ASSEMBLY

Assembly display without test.

Software license Art. No.: 401 889

## CS WIN NX EDIT

Editing version with limited Program Editor. It comprises all standard editors required for an electrical test. The editing software can be used for cable testing with the CT45 cable tester, and for the Ethernet I/O control of digital IOs. All data of previous CS WIN software versions can be imported. This version can also be used to edit the CT15, CT15i, CT20, CT30, CT30i and CT30ix cable testers. It thus provides the same functionality as the standard version.

### **Limitations imposed on the standard version:**

- » A test run is not possible!
- » Only one object at a time can be opened and edited
- » Only “integrated” functions can be used in the Project Editor, VB Script or extensions for macros are not supported

Software license Art. No.: 401 476

## CS WIN NX EDIT PROFESSIONAL

Editing version with advanced Program Editor, QDE setup, manual order generator and Graphical Label Editor. The same functionality is provided as in the Standard, the Advanced and the Quality Professional versions.

A test run is not possible.

Software license Art. No.: 401 477

## CS WIN NX JIT ENTERPRISE

Automatic and manual program generator with various program import options and standard PPS interface.

Software license Art. No.: 401 478