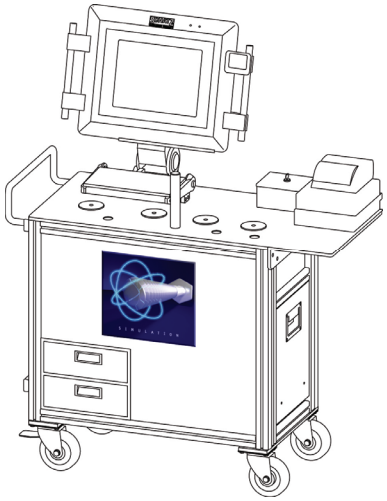
Mobile Test System for Torque Tools SCHATZ®cerTEST mobile



- **Test range 0.4 N·m to 500 N·m (up to 200 N·m for torque wrenches)**
- **Joint simulation with torque versus rotation angle (patent no. 101 63 387)**
- **Simulation technology for tools with high dynamic performance (patent no. 10 2006 059 386 B4)**
- **Provision for connecting external transducers for purposes such as joint scanning**
- **Provision for connection of an external simulator (1000 N·m)**
- **Line-independent operation with a fixed or exchangeable rechargeable battery**
- **Software platform CEUS 8.2**

Application

The test system features a computer-aided user interface and proportionally loaded simulators and uses a patented process to enable continuous testing of pneumatic and electric screwdrivers, impulse drivers, and torque wrenches at the work station on the assembly line. The torque characteristics of drivers depend on the joint hardness. Consequently, the test stand exactly simulates the joint where the driver under test is used. Rapid simulation of the actual joint allows drivers to be tested within approximately 3 seconds. The test system measures torque, rotation angle and rpm during each measurement.

Indicator and click-type torque wrenches with capacities up to 200 N·m can be tested and certified on the test stand. All measured values are displayed on-screen during testing and subsequently evaluated in the CEUS 8.2 system.

Description

The mobile test system is mounted on a fully enclosed, wheeled stand and includes a control and monitoring unit with support for a maximum of six measuring channels. Users can select built-in joint simulators with working ranges from 0.4 N·m to a maximum of 500 N·m for testing rotary screwdrivers and impulse drivers. Additional simulators with capacities up to 1000 N·m can be connected using external measurement channels. Torque and/or angle transducers can be connected to allow the characteristics of actual joints to be acquired using the “joint scanning” learning function. The system simulates the conditions of the bolted joint after they have been measured under practical conditions.

The CEUS 8.2 PC software package is available in stand-alone and network versions. An exchangeable rechargeable battery provides line-independent operation for approximately 3,500 measurements. The number of tests can be extended without limit by periodically recharging the battery from the AC line or exchanging it with a freshly charged battery. Support for torque tool management in the test planning environment and generation of calibration certificates is provided by the Report Builder module.

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EQS 5392 H
Version: 2008/12
Specifications subject to change

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Technical data

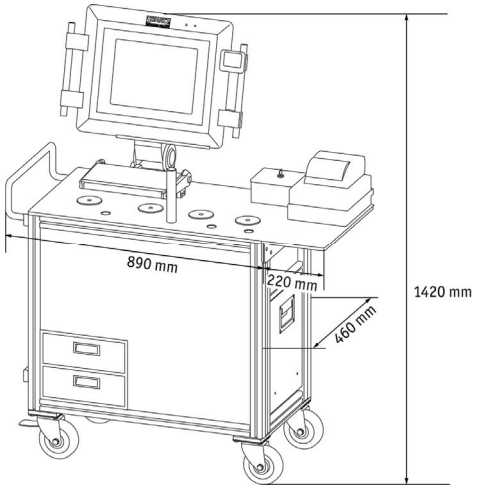
Hybrid technology joint simulators for rotary screwdrivers, impulse drivers and torque wrenches	
Test range	**Item no.**
0.4 N·m to 2 N·m	90145014
2 N·m to 10 N·m	90145009
4 N·m to 20 N·m	90145016
10 N·m to 50 N·m	90145010
25 N·m to 120 N·m	90145017
50 N·m to 250 N·m	90145011
100 N·m to 500 N·m	90145012
200 N·m to 1000 N·m	90145013

Mobile stand with IPC, instrumentation and simulator brackets
Basic unit with capacity for up to four simulators (4-hole plate)

Accessories: mechanical
Large castors or large elastomer castors for rough floors
White castors for floors with light finishes
All-round impulse protection
Extra handle
Port for external simulator
Mechanical square drive adapter

Accessories: data technology and documentation
IPC option touchscreen
IPC option 2. hard disk drive for data mirroring
Fold-out keyboard on IPC
Miniature keyboard with bracket
Touchpad with bracket
Barcode scanner
Smart-card login system
RF/ID tool identification (with optional external connector)
Documentation table with label printer

Accessories: rechargeable battery
Additional fixed or exchangeable rechargeable battery



Standard dimensions	
Height x width x depth	1420 mm x 890 mm x 460 mm
Working height	840 mm

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