

WHAT DOES S2T DO FOR YOU?

S2T-Test Lab has her own test facility and carried out the following standard tests e.g.:

Packaging tests

- ✚ ASTM D 4169 Performance Testing of Shipping Containers
- ✚ ASTM D 999 Standard Methods for Vibration testing of Shipping Containers
- ✚ ASTM D 4728 Standard Test Method for Random Vibration testing of Shipping Containers
- ✚ ASTM D 5276 Standard test method for drop test of loaded Containers by Free Fall
- ✚ ASTM D 5277 Standard Test Method for performing programmed horizontal impacts Using an Inclined impact tester
- ✚ ASTM D 5487 Standard test method for Simulated Drop of Loaded Containers by Shock Machines
- ✚ ASTM D 6179 Standard test method for Rough Handling of Unitized Loads and Large Shipping Cases and Crates
- ✚ ISTA 1A – 3J International Safe Transit Association
- ✚ ISO 4180 Complete filled transport packages
- ✚ ISO 2244 Horizontal impact tests
- ✚ ISO 2247 Vibration test at fixed low frequency
- ✚ ISO 2248 Vertical impact test by dropping
- ✚ ISO 8318 Vibration tests using a sinusoidal variable frequency
- ✚ UN-D 1400 Complete, Filled Transport Packages

Product tests

- ✚ IEC 68-2-6 Vibration, sinusoidal
- ✚ EC 68-2-27 Shock, half sinusoidal
- ✚ IEC 68-2-29 Bump
- ✚ IEC 68-2-31 Drop and topple
- ✚ IEC 68-2-32 Free Fall
- ✚ IEC 68-2-34 Random vibration wide band – General requirements
- ✚ IEC 68-2-35 Random vibration wide band – Reproducibility High
- ✚ IEC 68-2-36 Random vibration wide band – Reproducibility Medium
- ✚ IEC 68-2-37 Random vibration wide band – Reproducibility Low
- ✚ IEC 68-2-55 Bounce
- ✚ IEC 68-2-64 Vibration, broad-band random and guidance
- ✚ IEC 721-3-3 Classification of environmental conditions weather protected locations
- ✚ IEC 721-3-4 Classification of environmental conditions Non weather protected locations
- ✚ ETSI 300 019-1-7 Part 1-7 Classification of environmental conditions Portable and non stationary use
- ✚ ETSI 300 019-2-7 Part 2-7 Specification of environmental tests Portable and non stationary use
- ✚ NEN 10255-21-1 Deel 21 Trillings-, schok-, stoot- en seismische proeven, sectie 1; Trillingsproeven (IEC 255-21-1)
- ✚ NEN 10255-21-2 Deel 21 Trillings-, schok-, stoot- en seismische proeven, sectie 2; Schok en stootproeven (IEC 255-21-2)
- ✚ NEN 10255-21-3 Deel 21 Trillings-, schok-, stoot- en seismische proeven, sectie 3; Seismische proeven (IEC 255-21-3)

Rail test

- ✚ IEC 61373 Railway Applications – Rolling Stock Equipment
- ✚ RLN 00003 Versie 5 Omgevingsomstandigheden bij EV installaties.

Ship test

- ✚ DNV Standard for Certification No. 2.4 April '06
- ✚ Lloyd's Register LR Type Approval system, Test specification number 1
- ✚ Germanischer Lloyd Regulations for the Type tests
- ✚ Bureauveritas Systems Certification

Military test

- ✚ MIL Std 810 F Environmental test methods and engineering Guidelines
- ✚ MIL-S-901D Shock test H.I. Shipboard Machinery Equipments and Systems
- ✚ STANAG 4138 Vibration Resistant Equipment – Testing Requirements
- ✚ STANAG 4141 Shock Testing of Equipment for surface Ships
- ✚ STANAG 4549 Testing of surface ship equipment on shock testing machine
- ✚ AECTP 400 Vibration (Method 401)
- ✚ AECTP 400 Shock (Method 403)

Climate test

- ✚ IEC 68-2-1 Cold/low temperature
- ✚ IEC 68-2-2 Dry heat temperature
- ✚ IEC 68-2-7 Damp heat steady state
- ✚ IEC 68-2-14 Change of temperature
- ✚ IEC 68-2-30 Damp heat cycle
- ✚ IEC 68-2-33 Change of temperature tests
- ✚ IEC 68-2-38 Temperature/Humidity cycle test
- ✚ IEC 68-2-39 Low air pressure and damp heat
- ✚ IEC 68-2-40 Combined dry heat low air pressure
- ✚ IEC 68-2-50 Cold vibration test
- ✚ IEC 68-2-50 Heat vibration test
- ✚ IEC 68-2-53 Low and High temperature vibration
- ✚ IEC 68-2-66 Damp heat steady state
- ✚ IEC 68-2-66 Damp heat steady state (components)
- ✚ IEC 68-2-78 Damp heat steady state

S2T delivers:

- ✚ Complete solutions for all your noise- vibration and shock-problems. From measurements, analyses, testing and design, to the right product for your problem.
- ✚ All kind of testing facilities with a high degree of flexibility and working in accordance with ISO 9001 and 17025.
- ✚ Technical support for your engineering department. S2T co-operates intensively with her customers, to achieve cost-effective solutions for their problems.
- ✚ High quality vibration-, noise- and shock-reducing mountings including interfaces, when equipment cannot be installed on the mountings directly.
- ✚ Products that distinguish themselves by durability and no or minimal maintenance.
- ✚ High level services and 1-2 years warranty on S2T products for good performance.