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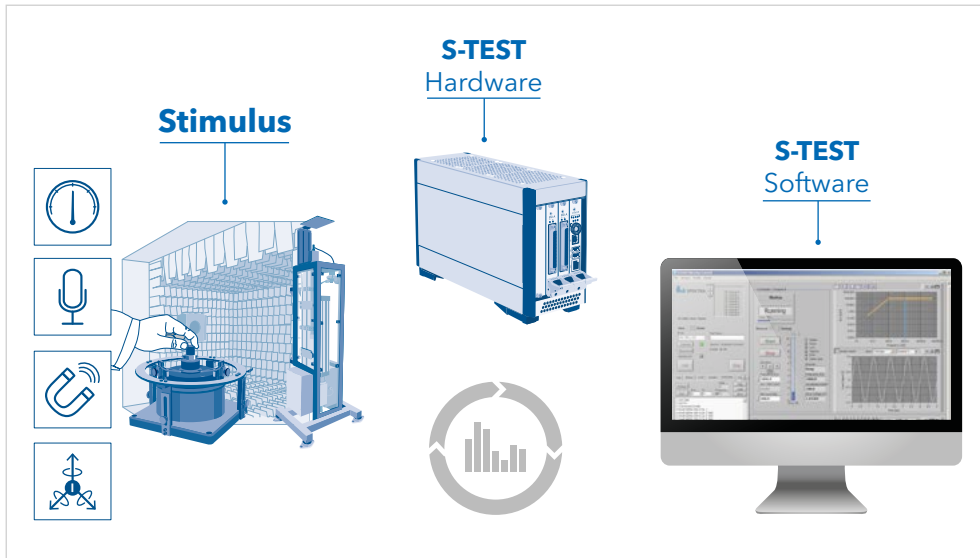
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DT | Device Testing S-TEST Solutions

Sensor Device Testing



Fields of Applications

S-TEST Lab

Turnkey Solutions for the Lab

- ✓ Sensor design validation
- ✓ Early silicon characterization
- ✓ Sensor Test development



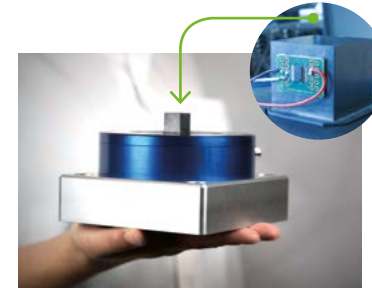
S-TEST Fab

Highly Parallel Subsystem for Production

- ✓ Incoming quality inspection
- ✓ End of line Test / Final Test
- ✓ Prototype production
- ✓ Volume production

- ✓ Effective in the lab for characterization
- ✓ Highly parallel in production
- ✓ Supported digital interfaces: SPI, I²C, SENT, PSI5, CAN, LIN, ZACwire, etc.

Solutions for the Laboratory (customer setup examples)



Characterization of MEMS sensors

- ✓ up to 100 kHz
- ✓ low cross-motion (< 10 %)
- ✓ Lab setups with combined sensor stimulus (acceleration, temperature etc.)



High Frequency Excitation of ECU

- ✓ High Frequency excitation of big and heavy DUT e.g. Sensor cluster with Gyroscopes
- ✓ Multi directional excitation of big and heavy DUT e.g. ECU at higher frequencies
- ✓ Field data replication for e.g. ECU shock and vibration immunity test

Solutions for the Production (customer setup examples)

S-TEST Lab

- ✓ Gyro sensor
- ✓ 2 DUT parallel system on lab desk

S-TEST Fab

- ✓ Gyro sensor
- ✓ 48 DUT parallel system
- ✓ Pressure sensor
- ✓ 192 DUT parallel system

