SMART®
Modular Technologies

SMART Memory Test Lab (SMTL)

Extensive system level memory validation testing has been very effective in validating compatibility with other platforms. Testing is typically done on an OEM or off-the-shelf system with specific sets of memory modules. System level memory validation testing helps OEMs save money by eliminating problems and reducing time to market.

SMART offers ATE and system memory qualification services for OEM and industry standard systems across a wide variety of applications. SMART's Memory Test Lab is outfitted with state-of-the-art equipment for environmental testing, functional testing and signal quality analysis. Its memory experts perform thorough system level analysis and debugging to determine root cause effects. SMTL testing is offered as a free service for SMART customers with validation reports sent directly to customers for OEM-specific boards.

System Memory Validation/Qualification Services for:

- DDR3 and DDR4 server boards
- OEM-specific boards
- Supply voltage reduced from 1.8V to 1.5V

Broad Range of System Testing

- Voltage margining
- Heavy/light loading
- Modified high-stress testing
- BIOS change support

Testing Details

- Two corners voltage/temperature 12 hours each/24 hours at 55°C
- Four corners voltage/temperature 12 hours each/24 hours, light & heavily loaded
- Power cycling
- AC or DC, 50 cycles at each test corner
- Test minimum (half the slots) and maximum configuration (all slots)
- High speed DDR3 and DDR4 system testing
- Customized high-stress, high-utilization software

CERTIFICATION

SMTL

TEST STATION

Contact information

Corporate Headquarters: T: (+1) 800-956-7627 • T: (+1) 510-623-1231 • F: (+1) 510-623-1434 • E: info@smartm.com

Customer Service: T: (+1) 978-303-8500 • E: customers@smartm.com

Latin America: T: (+55) 11 4417-7200 • E: sales.br@smartm.com

EMEA: T: (+44) 7825-084427 • E: sales.euro@smartm.com

Asia/Pacific: T: (+65) 6678-7670 • E: sales.asia@smartm.com

For more information, please visit: **www.smartm.com/smtl**