

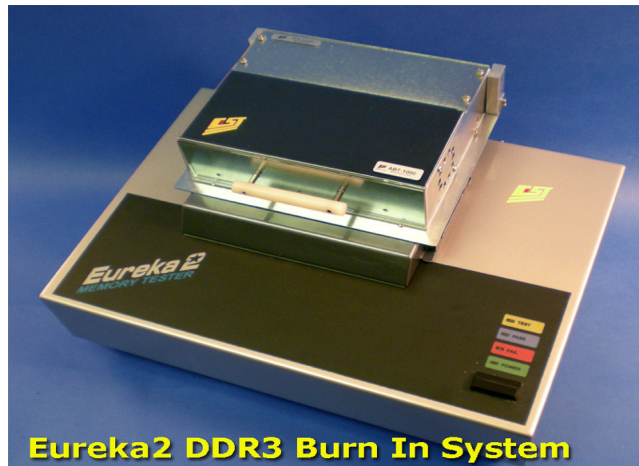
Eureka2 DDR3 1333Mhz

NEW! Dynamic Burn-In System

CST Inc, a leading worldwide manufacturer of memory tester and automatic Handler is proud to introduce the new Eureka2 Memory Tester, specifically designed for high volume memory distributor, memory module manufacturers, and memory repair service centers

The Eureka-II DDR3 Tester support the standard 240pin DIMM socket for testing the latest PC3-6400,PC3- 8500,PC3-10666, DDR3 DIMM,RDIMM, LR-DIMM memory modules at "Real Bus Speed" and "Real Cycle Time".

The Eureka2 DDR3 tester can be interfaced with the optional "ABT-1000" Heat Chamber Box for dynamic burn-in testing.



Eureka2 DDR3 Feature

Auto Identify:

- Memory Type: LRDIMM,RDIMM,DIMM
- Memory Configuration
- Memory Size
- Memory Frequency
- Memory Latency
- ECC or Non-ECC

Real Bus Speed Testing

- Real Cycle Time
- Super Fast Test time(1GB under 20secs)

Effective Test Algorithm

- Quick test, checks for assembly faults
- 20 Types of March test Pattern , to check for functional failures
- Programming and checking SPD
- **Fault Focusing pinpoint to faulty BGA chip**
- **DC Parametric/Leakage Test**
- **SPD EEPROM Temperature Sensing Test**

Advance Feature.

- Intuitive User PC Interface Software
- User configurable Test Pattern
- Auto-Speed Sorting Tool
- SHMOO-Plot and Error Mapping Tool
- **Interface with Heat Chamber Box (range 30 ~ 90 Degree C)**
- IDD Current measurement
- Programmable DDR3 AC Parameters

Ez Upgrading

- Firmware upgrade via internet
- Support RoboFlex2/RoboFlex3 Handler
- Interface with PC software via USB Port

Eureka2 DDR3 Technical Specification

Clock Frequency	: 400, 533, & 667 Mhz selectable
Data-rate	: 800,1066 & 1333 Mhz
Address depth	: 4 Giga-word (16 Row x 16 Col)
Data width	: Expandable 64 & 72 bit
Voltage range	: 1.3,1.4,1.5,1.6,1.7,1.8,1.9V to 2.0V
ICC measurement	: IDD 0 – IDD 7
CAS Read Latency	: 5,6,7,8,9 & 10 Clocks
T-rcd & T-rp Adjustment	: 5,6,7,8,9 & 10 Clocks
Burst Length	: 4 & 8
CAS Write Latency	: 5,6,7 & 8 clock
Mirror-Mode	: Automatic
Dynamic ODT Adjust	: 40,60, 120 ohm and Auto
ZQ Adjustment	: Auto Calibration
Refresh Cycle	: Auto / Self Refresh
DC Parametric Testing	: +/- 1 uA to 5mA
DC Test Pattern	: Walk Data , Walk Address , DQS, DQM, CKE, CS , and BA test
AC Test Pattern	: Mat-S, March-C, March-X, March Y(23 Type March Pattern)
SPD Programming	: Read/Write & Editable Byte 0 – 255 Reversible SPD Write Protect

General Specification

Single Site DDR3 Test Adapter	: 240 Pin DDR3 DIMM (Standard)
ABT-1000 Heater Box	: Optional (Order separately)
Power Adapter	: Input 100 /250 Vac, 50 /60Hz ATX
Operating Temperature	: 15 ~110 Degree F
Host PC (Not included)	: AMD or Intel P4 via USB interface
Operating System	: Microsoft Win98/2000, XP,Vista

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ABT-1000 Heat Chamber

Memory Burn-In System



ABT-1000 Burn-In System



The CST new "ABT-1000" Heat Chamber **Box System** provides a unique and cost-effective approach to testing memory modules up to 90 Degree C. This compact system is ideal for "bench top" applications and includes an integrated thermal heater box using – Halogen Lamp technology for rapid heat ramp-up and precision temperature control for Hot and Cool down.

The "ABT-1000" Heat Chamber box sits right on the top of the Eureka2, SP3000 or EZ-SPD Programmer and is capable of testing a single module or up to hundreds of DIMM modules per production-shift, with integration with CST 's RoboFlex3 Pick and Place Handler System.

The new CST "ABT-1000" Heat Chamber **Burn-In Box**, is targeted at the memory module manufacturers and large memory distributors. It is indeed the lowest cost Burn-in test system and the easiest to use in its class.

"ABT" Burn-In Feature

- Fast temperature ramp-up with Dual Halogen Lamp assembly
- Up to 90 Degree Celsius setting
- Intelligent Heater control system (+/- 1 degree C resolution)
- Auto Power cut-off during over-heating (Protect DIMM memory)
- USB interface control
- Easy to replace faulty parts
- Easy to operate
- Interface to all CST Test products
- Universal Power Supply

General Specification

Heater Element	: Dual Halogen Lamp
Supply Voltage	: 110V / 220 V AC
Heater Range	: 30 ~ 90 (1 Degree-C resolution)
Over Heat Protection	: Automatic Thermal Sensor
Heater Cover Switch	: Auto Power Cut-Off
Dimension	: 24 cm x 20 cm x 6 cm (L x B x H)
Weight	: 6 Pounds

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