



KEY FEATURES

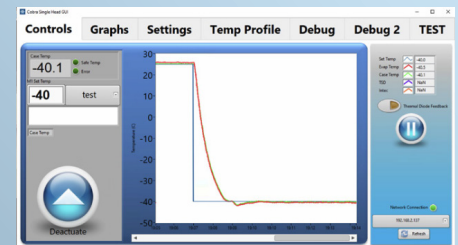
- Compact footprint, < 80 lbs
- Liquid-free operation
- Semi-automation
- High dissipative power without LN2
- User-friendly GUI
- -40°C to 150°C operating temperature range
- Cost competitive
- Direct phase change
- Configurable rack mounting
- Universal Socketing Capability
- Programmable temperature and pneumatics
- Power monitoring to prevent thermal runaway
- Thermal Sensing Diode feedback

COBRA TEMPERATURE FORCING SYSTEM FOR ATE OR SLT TEST APPLICATIONS

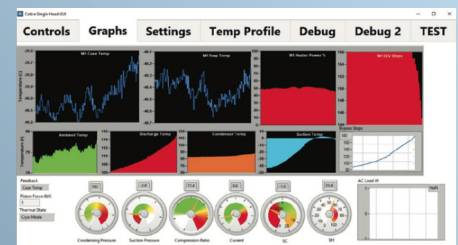
Cobra Thermal Systems are an advanced, compact, powerful temperature-forcing system and is an adaptable solution to the ever-increasing thermal demands of post-silicon validation and device characterization. With a temperature range of -40°C to 150°C, and combining all the benefits of mobility, quiet operation and liquid-free technology, it is designed primarily for SLT applications with long test times using manual device placement. The rack system layout optimizes mass parallelism that can be easily set up and customized to specific user-defined specifications. Cobra Systems are equipped for next-generation product development for high wattage temperature-controlled road map demands. Prevention of thermal runaway and limiting board or device damages are handled by a Power Monitoring unit which is sold separately as needed and currently available only for SLT solutions.

TARGETED APPLICATIONS

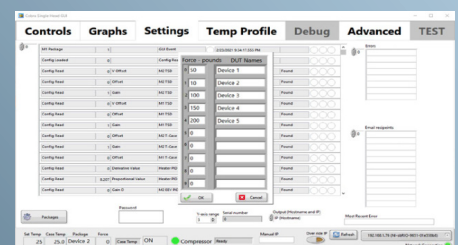
- Automotive IC
- Graphic Processors (GPU)
- Application Processing Units (APU)
- AI and data center
- Aerospace and defense
- CPUs
- ASICs
- Memory Modules



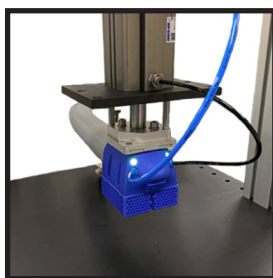
GUI Interface Experience



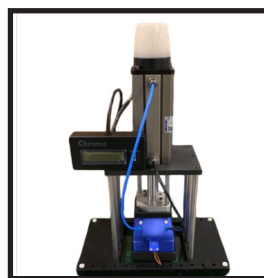
GUI Control Center



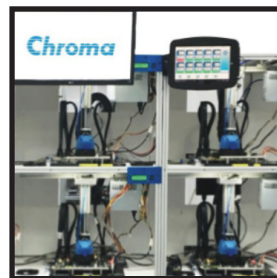
Application specific to IC-DUT Socket Force set up options



System Level Testing Configuration

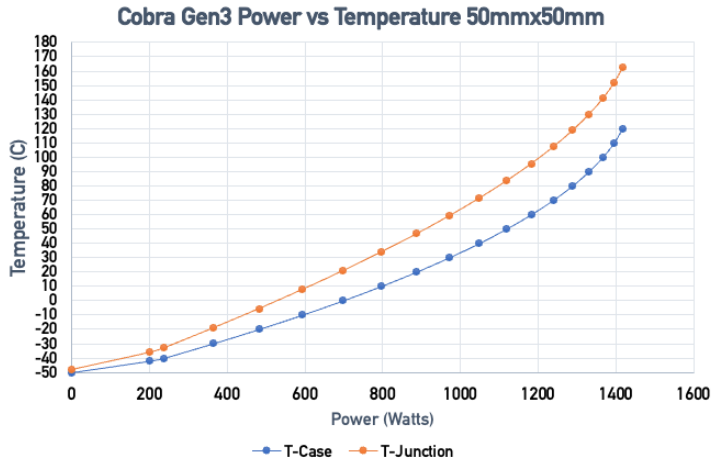


ATE Configuration

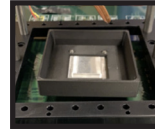


Modular Test Site Expansion Capabilities

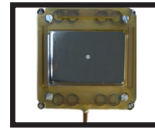
COBRA GRAPH AND HARDWARE ACCESSORIES



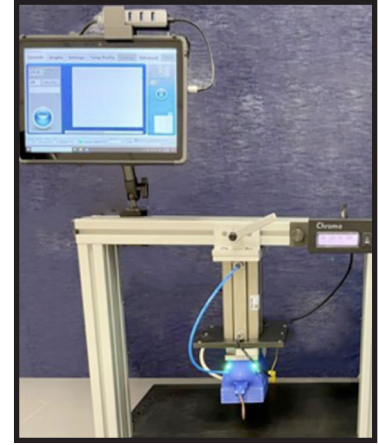
Remote Box



Cobra Purge



Custom IC Pedestal



Optional Integrated Tablet PC

SPECIFICATIONS

Model	Cobra Single Head Thermal System
System Mechanical Dimensions	579 mm (L) x 360 mm (W) x 394 mm (H)
System Weight	Single head 32 kg; Dual head 41 kg
DUT Dimensions	5x5 mm to 100 x 100 mm
Contact Force	≥294 kgs (Changing the pneumatic cylinder can increase/decrease the socketing force)
Temperature	-40°C to 150°C Accuracy : 2°C with no load (T/C Accuracy is 1°C) Stability : 1°C under controlled conditions Tolerance : ± 3°C at steady state
Temperature Transition Rates	Ramp rate cooling: >2°C/sec Ramp rate heating: <1°C/sec
Communication	TCP/IP, RS232, GPIB Optional
System Requirements	Power: 115 V / 60 / 50Hz Single Phase, 15 A Max (Stepdown Transformer needed for 220 / 208 V) Ambient temperature : 5°C to 30°C Water: 3LPM at 25°C or below for water cooled Cobra Gen3 systems CDA: 100psi with -40°F dew point

All specifications are subject to change without notice.

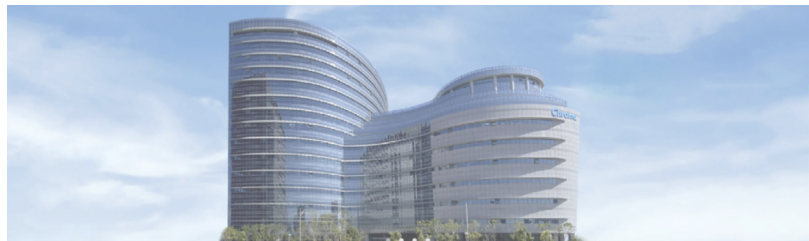
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