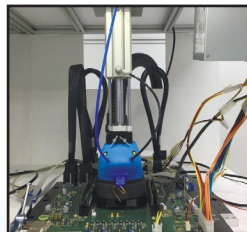


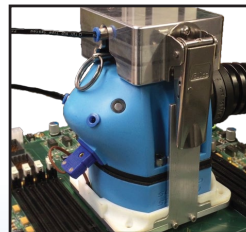
# COBRA TEMPERATURE FORCING SYSTEM FOR ATE OR SLT TEST APPLICATIONS



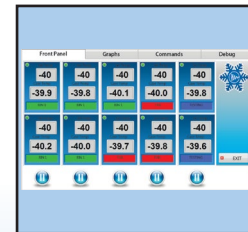
ATE Configuration



SLT Configuration



Integrated Purge  
Control Ventilation



GUI

## COBRA TEMPERATURE FORCING SYSTEM FOR ATE OR SLT TEST APPLICATIONS

Cobra is the most advanced, compact, powerful temperature-forcing system on the market. Cobra 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 setup and customized to specific user-defined specifications. Cobra is equipped for next-generation product development and IC temperature controlled road map demands. Power monitoring box prevents thermal runaway and prevents damage to board, socket, and thermal system.

### KEY FEATURES AND BENEFITS

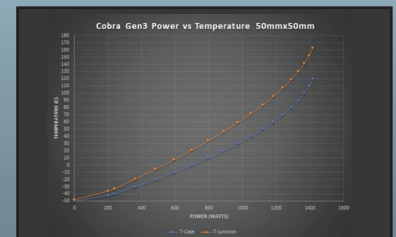
- Compact footprint, < 80 lbs
- Liquid-free operation
- Semi-automation
- High dissipative power without LN2
- User friendly GUI
- -40 to 150°C operating temperature range
- Cost competitive
- Direct phase change
- Configurable rack mounting
- Universal Socketing Capability
- Programmable temperature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

### TARGETED APPLICATIONS

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



Dual Head Model

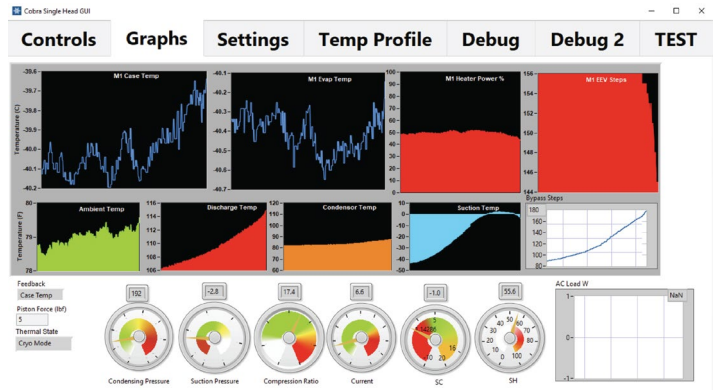
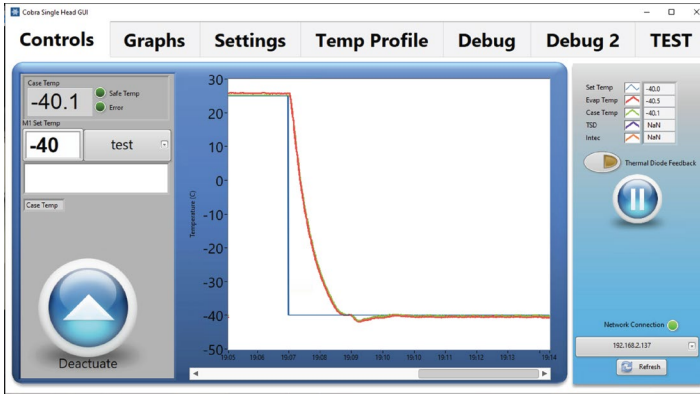


Cobra Gen3 Power vs Temperature



\* Under lab conditions.

## CONTROL CENTER (GUI)



## SPECIFICATIONS

Model	Cobra Single Head Thermal System
System Mechanical Dimensions	579 mm (L) x 360 mm (B) x 394 mm (H)
System Weight	Single head 32 kg; Dual head 41 kg
DUT Dimensions	3x3 mm to 85x85 mm
Contact Force	≥ 100 kgs (Changing the pneumatic cylinder can increase/decrease the socketing force)
Temperature	-40°C ~ 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
System Requirements	Power: 115 V / 60 / 50 Hz Single Phase, 15 A Max (Stepdown Transformer needed for 220 / 208 V) Ambient temperature : (5°C to 30°C)

All specifications are subject to change without notice.

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