ADVANCED TEMPERATURE FORCING SYSTEM

KEY FEATURES

- Compact footprint
- Liquid-free operation
- Semi-automation
- High dissipative power without LN2
- User-friendly GUI
- -70°C to 125°C temperature range
- Cost competitive
- Direct phase change
- Quiet Operation @ < 60 dB
- Universal Socketing Capability
- Programmable temperature and pneumatics
- Power monitoring to prevent thermal runaway
- Thermal Sensing Diode feedback

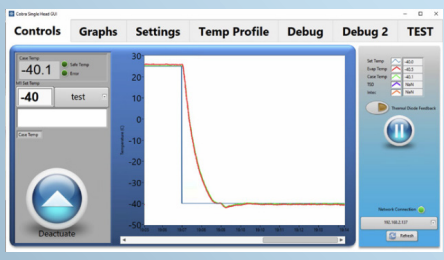
KING COBRA THERMAL SYSTEM

PRODUCT DESCRIPTION

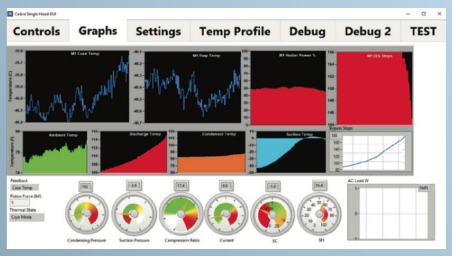
Cobra Thermal Systems are an advanced, compact, powerful temperature-forcing system and is an adaptable solution to the ever-increasing thermal demands of post-silicon validation and device characterization. With a temperature range of -70°C to 125°C, and combining all the benefits of mobility, quiet operation, it is designed primarily for SLT applications with long test times using manual device placement. King Cobra is 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

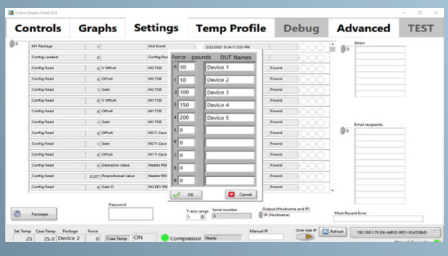
- Automotive IC
- Graphic Processors (GPU)
- Application Processing Units (APU)
- AI and data center
- Aerospace and defense
- CPUs
- ASICs
- Memory Modules



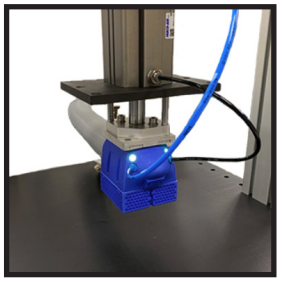
GUI Interface Experience



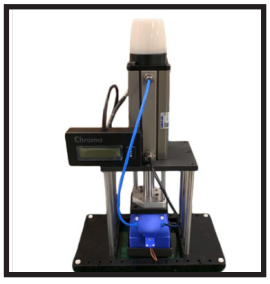
GUI Control Center



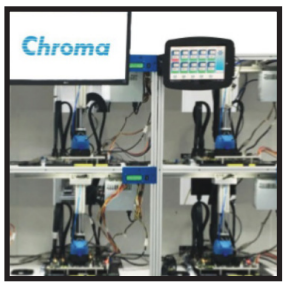
Application specific to IC-DUT Socket Force set up options



System Level Testing Configuration

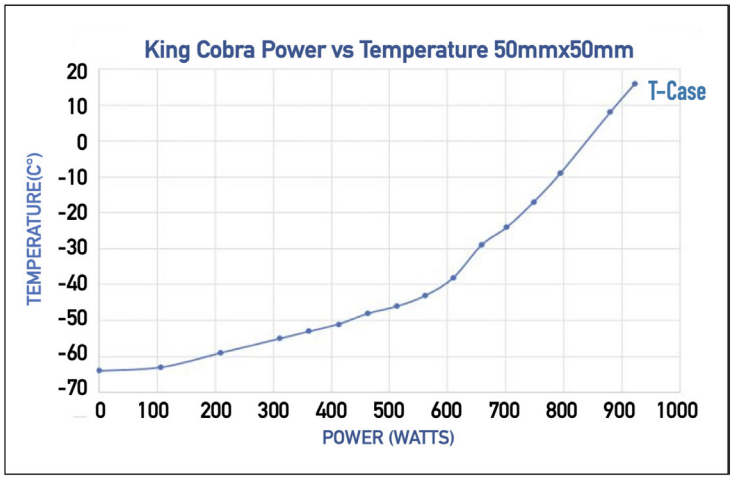


ATE Configuration

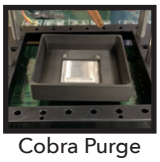


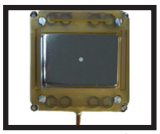
Modular Test Site Expansion Capabilities

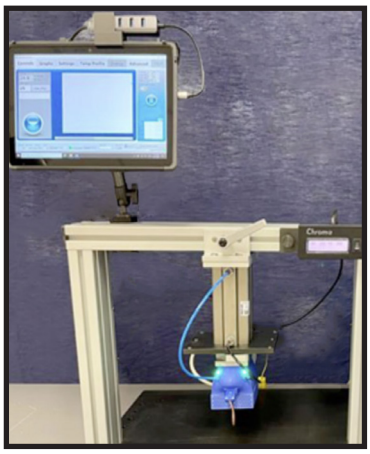
KING COBRA GRAPH AND HARDWARE ACCESSORIES




Remote Box


Cobra Purge


Custom IC Pedestal


Optional Integrated Tablet PC

SPECIFICATIONS

Model	King Cobra Single Head Thermal System
System Mechanical Dimensions	813 mm (L) x 559 mm (B) x 635 mm (H)
System Weight	100 kg
DUT Dimensions	5x5 mm and up to 100 x 100 mm
Contact Force	≥200 kgf (Changing the pneumatic cylinder can increase/decrease the socketing force)
Temperature	-70°C ~ 125°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: 208-240V 50/60 Hz 20 Amps single phase Ambient temperature : 5°C to 30°C

All specifications are subject to change without notice.

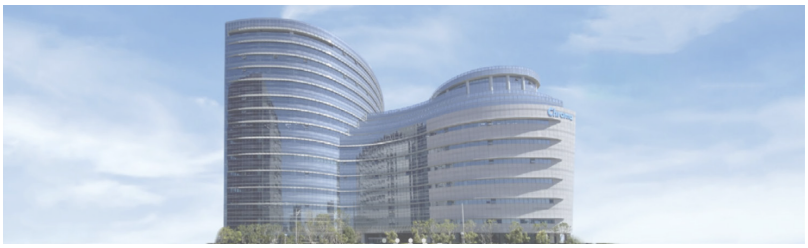
ORDERING INFORMATION

U.S.A. HEADQUARTERS
CHROMA ATE INC. (U.S.A)

7 Chrysler
Irvine, CA 92618, USA
Tel: +1-949-421-0355
Fax: +1-949-421-0353
http://www.chromaus.com
Email: info@chromaus.com

GLOBAL HEADQUARTERS
CHROMA ATE INC.

88 Wenmao Rd., Guishan Dist.,
Taoyuan City 333001,
Taiwan
Tel: +886-3-327-9999
Fax: +886-3-327-8898
http://www.chromaate.com
E-mail: info@chromaate.com



Developed and
manufactured by :

CHROMA ATE INC. (U.S.A.)

675 Sycamore Dr., Suite 100
Milpitas, CA 95035, USA
Tel: +1-408-969-9998
Fax: +1-408-949-0375
http://www.chromaus.com
Email: info@chromaus.com

Global branch offices:

EUROPE
CHROMA ATE EUROPE B.V.

Morsestraat 32, 6716 AH Ede,
The Netherlands
Tel: +31-318-648282
Fax: +31-318-648288
http://www.chromaeu.com
E-mail: salesnl@chromaeu.com

KOREA
CHROMA ATE KOREA

3F Richtogether Center,
14, Pangyoyeok-ro 192,
Bundang-gu, Seongnam-si,
Gyeonggi-do 13524, Korea
Tel: +82-31-781-1025
Fax: +82-31-8017-6614
http://www.chromaate.co.kr
E-mail: info@chromaate.com

JAPAN
CHROMA JAPAN CORP.

472 Nippa-cho, Kouhoku-ku,
Yokohama-shi, Kanagawa,
223-0057 Japan
Tel: +81-45-542-1118
Fax: +81-45-542-1080
http://www.chroma.co.jp
E-mail: info@chromaate.com

CHINA
CHROMA ELECTRONICS

(SHENZHEN) CO., LTD.
8F, No.4, Nanyou Tian An
Industrial Estate, Shenzhen,
China PC: 518052
Tel: +86-755-2664-4598
Fax: +86-755-2641-9620
http://www.chromaate.com
E-mail: info@chromaate.com