Mug-SH

High Power Temperature Forcing System 0-600W (-40°C at 400W)

For IC and electronics characterization, Thermal test, and failure analysis

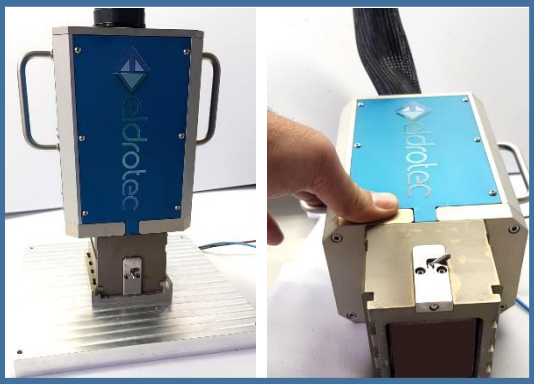
Direct Contact of **Automated Thermal Head** On **DUT**

Thermal cycling of DUT: from -75°C to +170°C (±1°C)

Power range: 0-600W

DUT 25X25 to 70X70, T-CASE: -40°C @ 400W

Automatic Pressing Control on DUT:
20-180 kg (at 6-10 bar CDA)

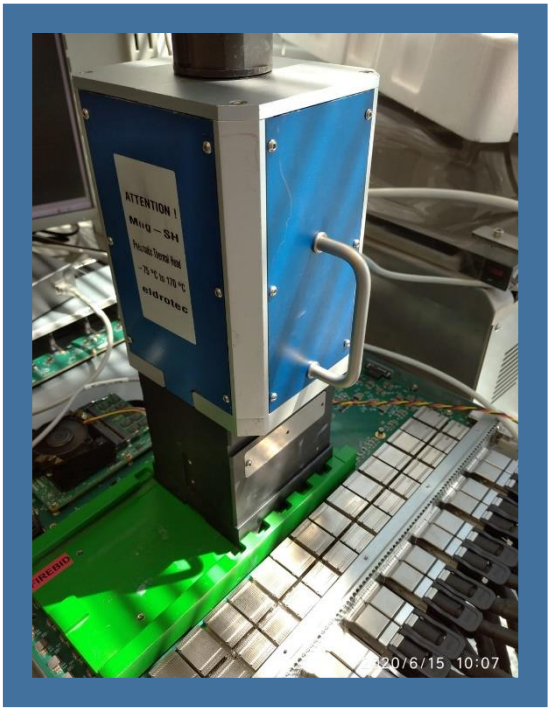


The best thermal connection with the DUT **- one Click only**

info@eldrotec.com www.eldrotec.com

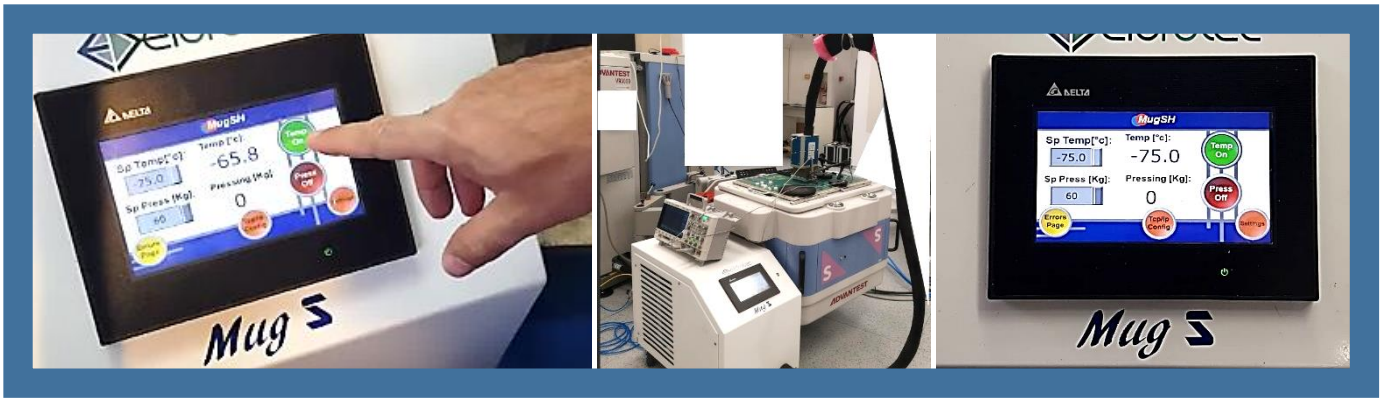
Features

Temperature range of -75°C to +150°C (±1°C)
Precision pressure control - up to 180 kg (±1kg)
Compact Footprint
Self-Contained – No external chiller
Simple operation: Air & Power --- Low cost of ownership
Fluid-Free Operation --- Rapid Temperature Cycling Rates
Environmentally Friendly Operation --- ESD-SAFE
Integrated into production test handlers
Temperature sensing: T-case \ T-junction \ T-heatsink
Ethernet (TCP/IP) Remote Interface
Supports \RS232\RS485 Protocol
Suitable for testing soldered devices and devices in sockets
Integrates with every existing socket on the market
Packages Supported 25X25 up to 70X70 (Optional Up to 100X100)
Maintenance-free
Vibration free
Variable pedestal design for future product flexibility
Temperature stability ±1°C



Experience user – Operator Interface

- ✓ 7"Color PLC touch screen
- ✓ Connection with the DUT in one click only
- ✓ Automatic Pressing Control on DUT
- ✓ Offset profile programming T case or customized for T junction
- ✓ Stand-by operation mode
- ✓ Temperature display and recording
- ✓ Temperature overshooting control
- ✓ LabVIEW/C++/Visual Basic drivers or Customized
- ✓ Temperature control through PT-100,
- ✓ Thermocouple via K-type or D-type



Specifications

System General	
Temperature Range	-75°C to 170°C T-CASE: -40°C at 400W
Power Range	0-600 W (optional custom up to 1500W)
Cooling Capacity	-40°C @ 400W
Transition Rates	25°C to -40°C in ~ 1.5 min 25°C to 100°C in ~ 1 min
Temperature Stability	0.1°C
Temperature Accuracy	0.1°C
Temperature Sensor (T-Case) Optional T-j	PT100 Thermistor
Temperature Calibration	Software calibrated
Remote Interface Ports	Ethernet (TCP/IP)
System Indicators and Fail-safes	Real-time status displayed on-screen and via remote interface
Fully Automated DUT Pressure Force	20 – 180 Kg/Force ±1 Kg (Optional Up 300 Kg) At 6-10 Bar CDA or N2
DUT Dimensions	From 25X25 to 70x70mm (optional up to 100X100)
Noise Level	<52 dBA
Condensation Protection	Dry air flow <0.5 scfm
System Requirements	
Electrical	110-240VAC, 50/60Hz, 16A
Ambient Temperature	5°C to 35°C (40 to 95°F)
Ambient Humidity	20% to 80% RH
Dry Air or Nitrogen - For thermal head pressing control - To prevent condensation at very low temperatures - Hose	 - 6-8 bar - 0.5cfm (1.5-3.0 PSI) Dewpoint < -70°C - 4 to 6mm Industrial Standard Quick Connector
Mechanical Dimensions	
System dimensions mm	~(L) 700mm x ~(W) 405mm x ~(H) 650mm included wheels
System Weight Kg	~ 80
Thermal head (mm)	90X108
Thermal head hose	3 meters standard, (Option to custom)