

# Max TC (G4)<sup>®</sup> High Powered - Thermal Forcing System. Powerful, Precise & Reliable.



**Max TC (G4)**  
-70°C - 175°C / 200°C  
-40°C @ 90W



MD Thermal control units were designed with high efficiency and flexibility in mind, allowing for customization to suit different package and interface variations. The system allows for temperature forcing across a wide range of device sizes and types, whether socketed or soldered to the board. With state of the art design and technology MD units stimulate the DUT to the desired temperature precisely and consistently right where you need by direct contact with a thermal head's tip.

The well proven thermal head methodology creates a stable temperature control environment right where you need. The pneumatically driven thermal head makes direct contact with the IC device providing great power handling and precise temperature control.

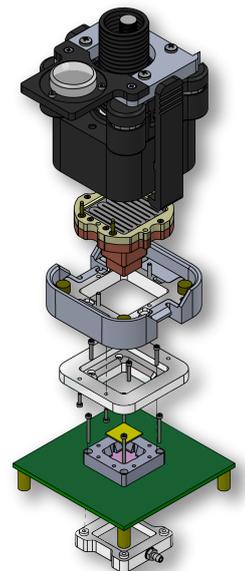
The G4 series features upgrades that include extended temperature range, low current consumption, low noise level, lower air temp emission with increased cooling power. With Max TC (G4) you can achieve low T<sub>j</sub> even if the component's power dissipation is high.

## Available Options:

- Clip-on actuator
- Manual actuator
- Toggle clamp
- Boom stand
- Enclosures
- Customized fixtures

## Applications:

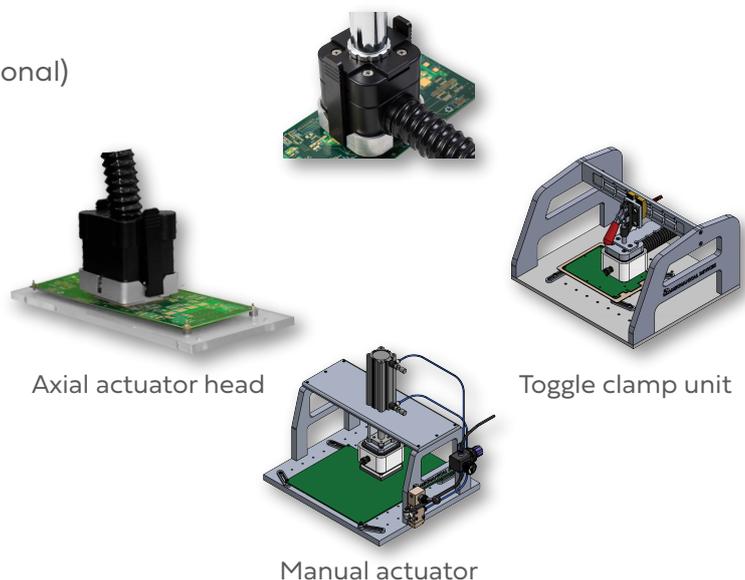
- ATE, SLT and bench
- High reliability testing
- Thermal stream/chamber/chiller replacement
- OEM integrations



Right angle actuator head

## Features:

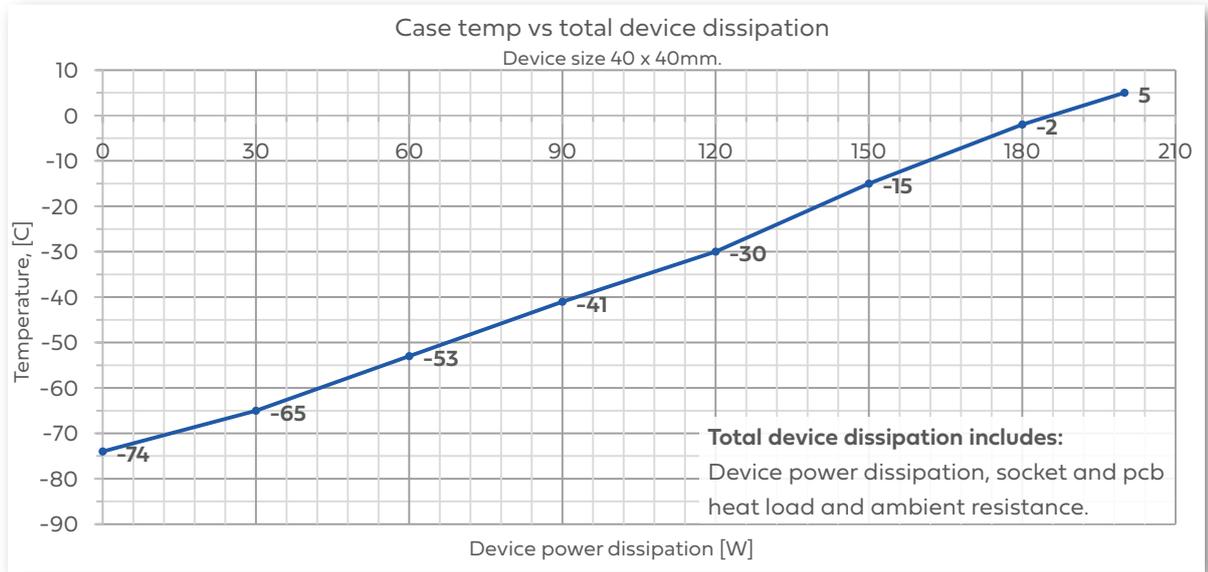
- Temperature range -70°C to 175°C (200°C optional)
- Cooling power -40°C @ 90W (T<sub>c</sub>)
- Temperature stability 0.2°C
- Self-contained liquid free operation
- Quiet and portable
- Adapt to most packages and sockets
- Condensation FREE
- Maintenance FREE
- Remotely controlled via an ethernet
- Fully programmable for automation
- T<sub>j</sub> and T<sub>c</sub> control
- Environmentally friendly operation



Axial actuator head

Toggle clamp unit

Manual actuator



### System Specifications:

#### Operating

Temperature range	-70°C to +175°C (200°C)
Temperature accuracy	±0.2°C
Transition rates	Up to 75°C/min
Temperature sensor types	PT100 thermistor K-type thermocouple Thermal diode feedback
Actuation type	Pneumatic clip-on actuator
Actuation force	Up to 70 Kgf

#### Facilities

Power	200V-240V AC 50/60Hz, 16A max
CDA	<0.5 CFM @ 0.05 - 0.2MPa (0.5-Bar)
Dew point	-60°C to -70°C
Operating temperature	-10°C to 45°C
Plug	Nema L6-20/30

#### Mechanical Data

System size (WxHxL)	505mm x 365mm x 610mm
System weight	55 Kg
Thermal head (mm)	73 x 43 x 73
Controller to TH distance	~2 meter (6.5ft)

#### Data Communication

Ethernet TCP/IP	RJ-45
USB	Type B
Touch screen display	7" LCD

