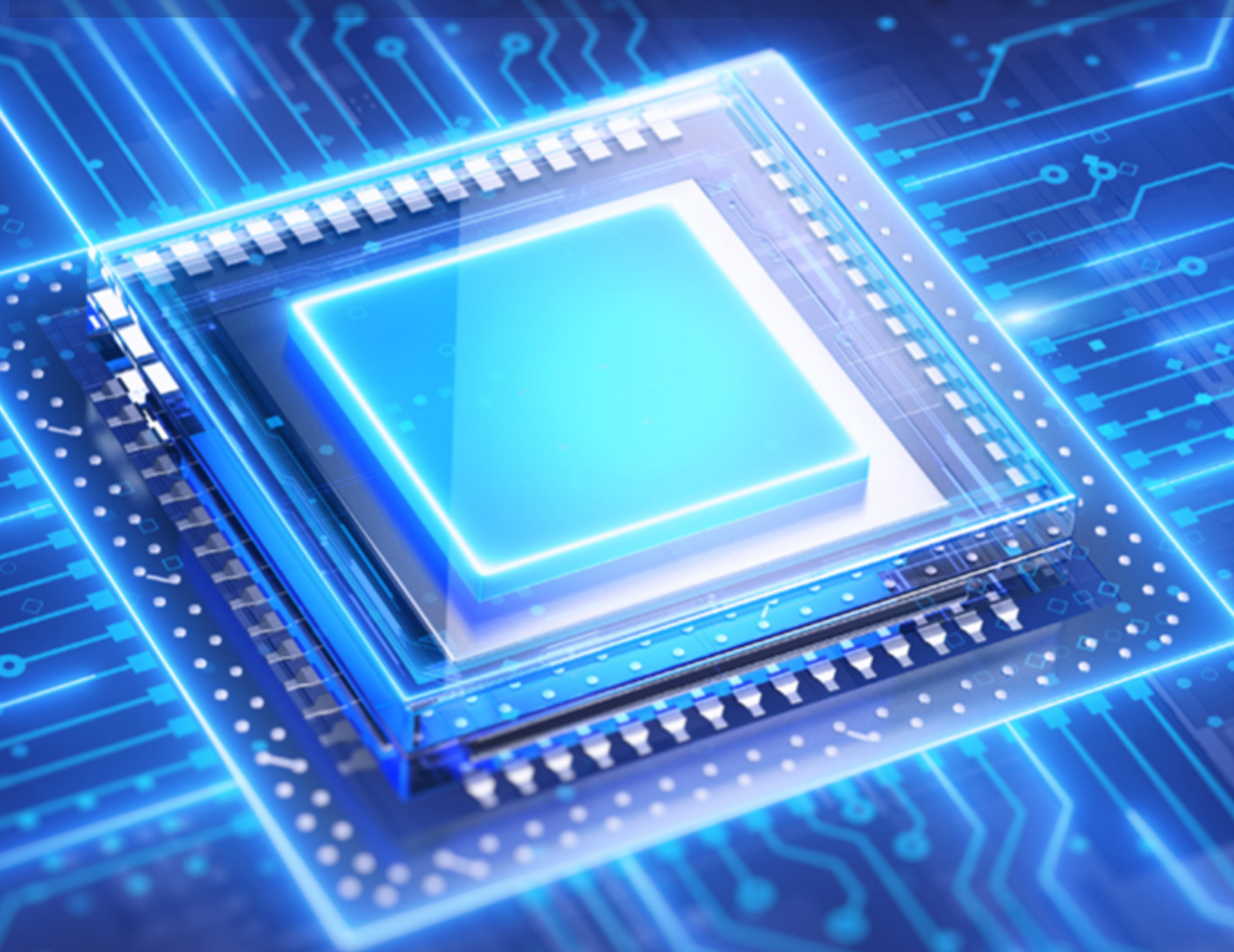


Test your **Devices**

In *Extreme Temperatures* **-75°C** to **+150°C**

With **eldrotec** Temperature Forcing Systems



eldrotec

The Right Solution for IC Thermal Testing

Temperature Forcing Systems

Direct Contact

Support the DUT's Packages:

IC, CPU, GPU, DPU,

BGA, FCBGA, LGA, QFN, QFP, CSP, WLCSP,

Bare Die, and another Devices Under Test.

System / DUT's	DUT's Dimensions [mm]	DUT's Power range	Temperature range [°C]
Fix	<i>IC Devices</i> 2X2 to 40X40	Up to 90 W	-55 to +155 [-40°C @ 25W]
EXCEL-10 NEW	<i>IC Devices</i> 5X5 to 50X50	Up to 350 W	-70 to +200 [-40°C @ 90W]
Mug-SH-7	<i>IC Devices</i> 25X25 to 70X70 Optional up to 130X130	Up to 400 W	-60 to +150 [-40°C @ 400W]
Mug-SH-11		up to 800 W	-60 to +150 [-40°C @ 800W]
EXCEL-12 NEW		Up to 1200 W	-20 to +150 [0°C @ 1200W]
EXCEL-15 NEW		Up to 1500 W [Optional up to 3000 W]	-75 to +150 [-40°C @ 1500W]

Fix

-40°C @ 25W

DUT Power Range: Up to 90 W

System Specifications

Operating

Temperature range	-55°C to +155°C
Temperature accuracy	±0.1°C
Transition rates	Up to 50°C/min
Temperature sensor types	PT100 thermistor
Automatic Weight Pressing Control on the DUT	Up to 20 Kg Optional to custom

Mechanical Data

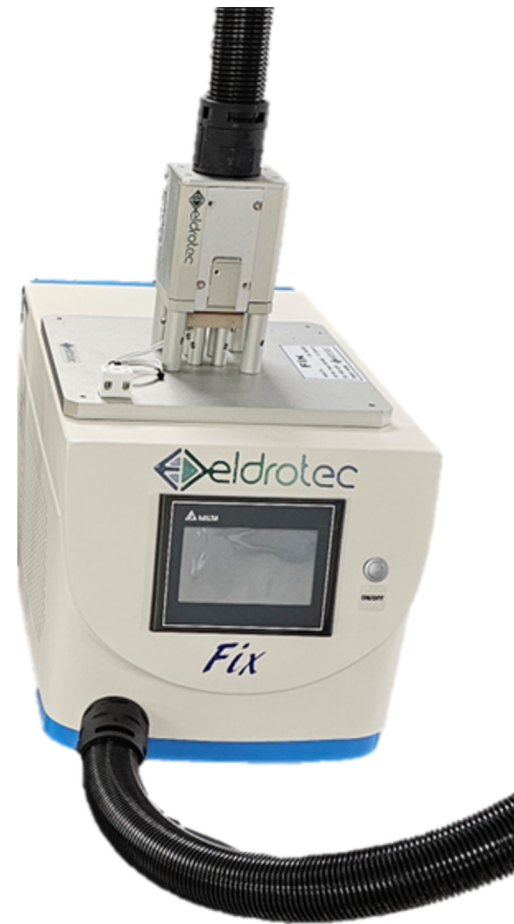
System size WxHxL [mm]	270 x 250 x 550
System weight	20 Kg
DUT Dimensions [mm]	2x2 to 40x40
Controller to Thermal Head distance	~2 meter [Optional to custom]

Facilities

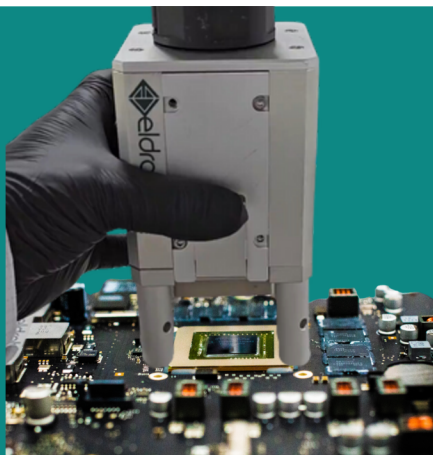
Power	100V-240V AC 50/60Hz 6A
Customer CDA [Recommended] To prevent condensation	<0.5cfm @ 90PSI -70°C dew point
Ambient Operating temperature	-10°C to 35°C

Communication and Control

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



1
→
Easily connect
the interfaces
and thermal head
to your board
and device



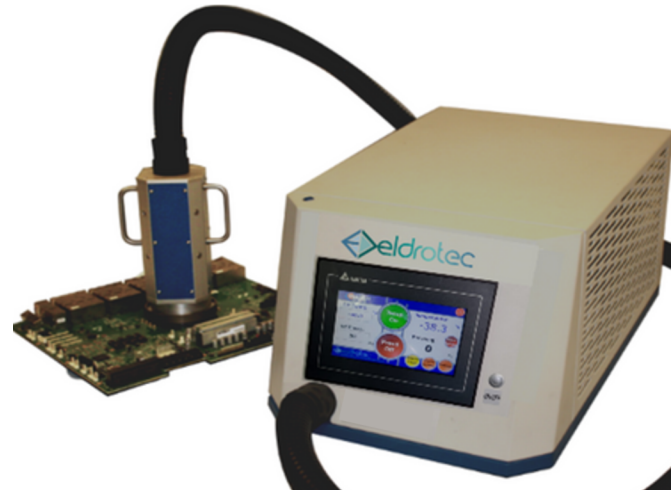
2
→
Set the desirable
values of the
pressing weight
and the temperature
and start the test



EXCEL-10

-40°C @ 90W

DUT Power Range: Up to 350W



System Specifications

Operating

Temperature range	-70°C to +150°C
Temperature accuracy	±0.1°C
Transition rates	Up to 50°C/min
Temperature sensor types	PT100 thermistor
Automatic Weight Pressing Control on the Devices	Up to 45 Kg Optional Custom

Facilities

Power	100V-240V AC 50/60Hz 16A max
Customer CDA [Recommended] To prevent condensation	<0.5cfm @ 90PSI -70°C dew point
Ambient Operating temperature	-10°C to 35°C

Mechanical Data

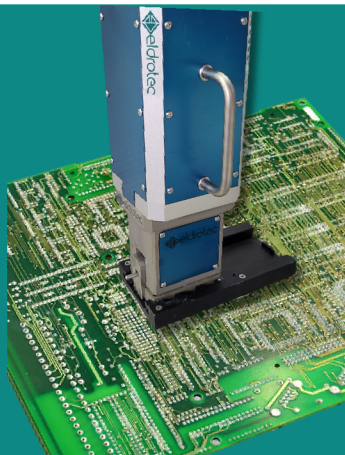
System size WxHxL (mm)	400 x 329 x 675
System weight (Kg)	45
DUT Dimensions (mm)	2x2 to 50x50 Optional Custom
Controller to Thermal Head distance	~2 meter

Communication and Control

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



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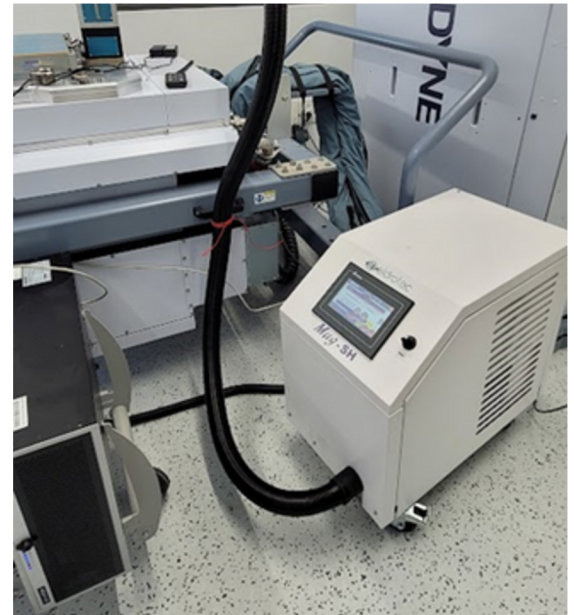
**Set the desirable
values of the
pressing weight
and the temperature
and start the test**



Mug-SH-7

-40°C @ 400W

DUT Power Range: Up to 400 W



System Specifications

Operating

Temperature range	-75°C to +150°C
Temperature accuracy	±0.1°C
Transition rates	Up to 50°C/min
Temperature sensor types	PT100 thermistor
Automatic Weight Pressing Control on the Devices	Up to 180 Kg Optional Up to 300

Facilities

Power	3-phase 380V to 415V AC 16A / 50Hz
CDA To prevent condensation	<0.5cfm @ 90PSI -70°C dew point
Ambient Operating temperature	-10°C to 35°C

Mechanical Data

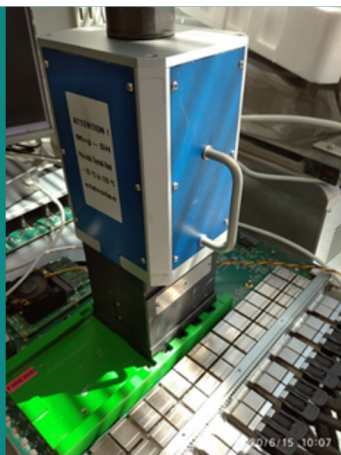
System size WxHxL (mm)	405 x 650 x 700
System weight (Kg)	~80
DUT Dimensions (mm)	25X25 to 70X70 (optional Up to 100X100)
Controller to Thermal Head distance	~2 meter

Communication and Control

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



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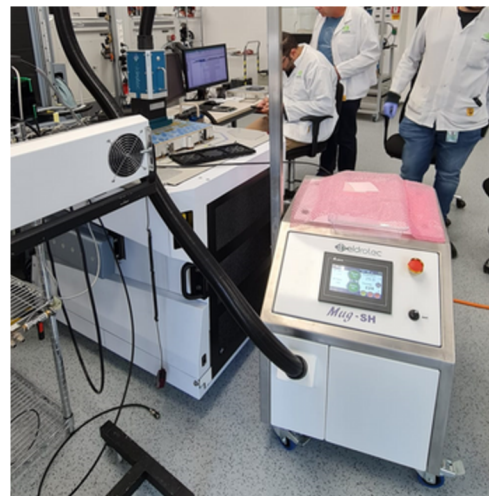
Set the desirable
values of the
pressing weight
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and start the test



Mug-SH-11

-40°C @ 800W

DUT Power Range: Up to 800 W



System Specifications

Operating

Temperature range	-75°C to +150°C
Temperature accuracy	±0.1°C
Transition rates	Up to 50°C/min
Temperature sensor types	PT100 thermistor
Automatic Weight Pressing Control on the Devices	Up to 180 Kg Optional Up to 300

Mechanical Data

System size WxHxL (mm)	405 x 650 x 700
System weight (Kg)	~80
DUT Dimensions (mm)	25X25 to 70X70 (Optional Up to 100X100)
Controller to Thermal Head distance	~2 meter

Facilities

Power	3-phase 380V to 415V AC 16A / 50Hz
CDA To prevent condensation	<0.5cfm @ 90PSI -70°C dew point
Ambient Operating temperature	-10°C to 35°C

Communication and Control

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



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EXCEL-12

-0°C @ 1200W

DUT Power Range: Up to 1200 W



System Specifications

Operating

Temperature range	-20°C to +150°C
Temperature accuracy	±0.1°C
Transition rates	Up to 50°C/min
Temperature sensor types	PT100 thermistor
Automatic Weight Pressing Control on the Devices	Up to 300 Kg Optional Custom

Facilities

Power	3-phase 380V to 415V AC 16A / 50Hz
Customer CDA [Recommended] To prevent condensation	<0.5cfm @ 90PSI -70°C dew point
Ambient Operating temperature	-10°C to 35°C

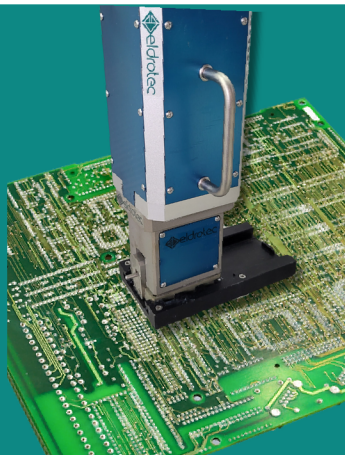
Mechanical Data

System size WxHxL (mm)	405 x 650 x 700
System weight (Kg)	~80
DUT Dimensions (mm)	25X25 to 70X70 (Optional Up to 100X100)
Controller to Thermal Head distance	~2 meter

Communication and Control

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

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EXCEL-15

-40°C @ 1500W

DUT Power Range: Up to 1500 W



System Specifications

Operating

Temperature range	-75°C to +150°C
Temperature accuracy	±0.1°C
Transition rates	Up to 50°C/min
Temperature sensor types	PT100 thermistor
Automatic Weight Pressing Control on the Devices	Up to 300 Kg Optional Custom

Facilities

Power	3-phase 380V to 415V AC 16A / 50Hz
Customer CDA [Recommended] To prevent condensation	<0.5cfm @ 90PSI -70°C dew point
Ambient Operating temperature	-10°C to 35°C

Mechanical Data

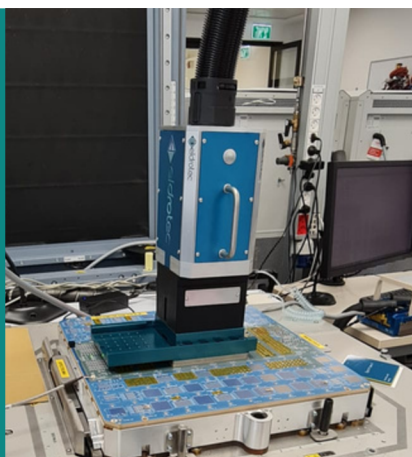
System size WxHxL (mm)	490x 1230 x 700
System weight (Kg)	~120
DUT Dimensions (mm)	25X25 to 70X70 (Optional Up to 130X130)
Controller to Thermal Head distance	~2 meter

Communication and Control

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



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