



ThermoTouch

A single handling to cover the entire temperature testing cycle.



TAU Industrial Robotics

tauindustrialrobotics.com



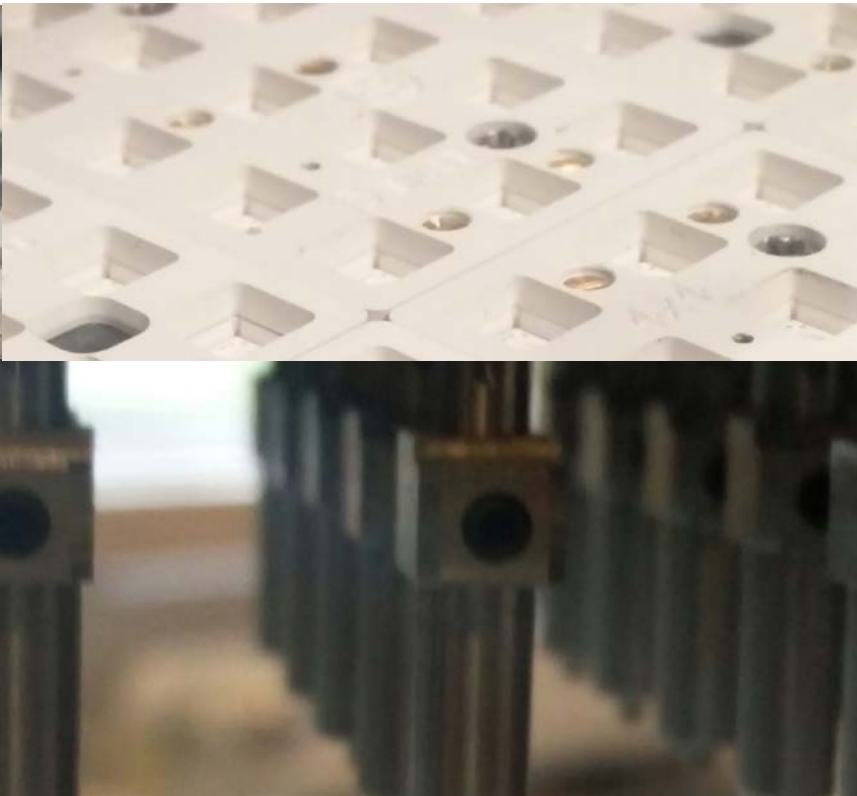
Dynamic, multi-temperature testing with fully configurable temperature transition times



Handling up to 10,000 UPH with multi-temperature in a single loading cycle



Unprecedented precision and contained temperature drift (less than 0.1C)



ThermoTouch at a glance

Based on a next generation thermal conditioning technology, ThermoTouch is a thermal testing and handling solution capable of generating multi-temp, ultrafast temperature conditions in a single compact station.

Thermal testing should be fast and flexible

Production floors require flexible thermal testing platforms, capable of transitioning quickly and precisely from low to high temperatures, with controlled transitioning times, in configurable steps and without thermal drift. ThermoTouch offers a universal thermal testing platform seamlessly integrated in a handler with up to 10,000 UPH capability. One single handling station, to cover the entire temperature testing cycle, up to automotive range, on any device.

About Tau Industrial Robotics

Tau Industrial Robotics has a decade long experience in semiconductor manufacturing technologies. Our company developed its own technologies to assist semiconductor and fabless companies in developing, testing and producing their devices at different temperature range



Unparalleled transition times (up to 30C/s)



Proven reliability over time (mean time between scheduled maintenance > 200.000 temp cycles)



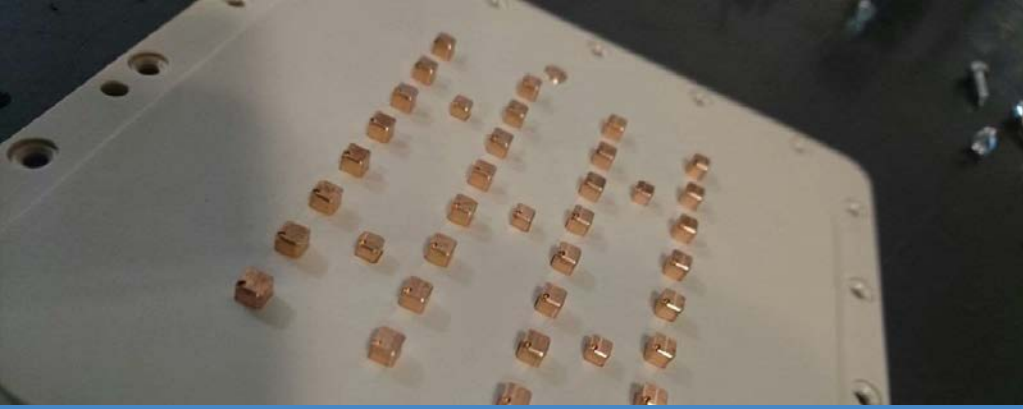
A single station for full automotive testing temperatures (range from -40 up to 150C)

Technical specifications

Temperature transition gradient	Up to 30°C/s
Supported device packages	2x2 to 5x5 mm, plastic/metal lid
Temperature precision	+/- .1°C
Example transition time -40°C to 150°C	25s
Example transition time 150°C to -40°C	60s

A closer look at ThermoTouch

ThermoTouch integrates nitrogen-less technology in a small and high output handler to deliver fast and accurate temperature change right in contact with the device. ThermoTouch reads and acts on temperature feedback coming from different sources, including the tested devices themselves when they have thermal sensing capability. The thermal head has been developed to guarantee fast transition times, outstanding reliability and easy maintenance over the entire life cycle.



Semiconductors



ThermoTouch

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