



ThermoLab

A universal MEMS thermal testing
platform for R&D and pilot
production



TAU Industrial Robotics

At a glance

ThermoLab® is the first multifunctional AiO test platform for MEMS equipment.

Benefits

- Ultra fast transitions and precise temperature control
- Unlimited temperature, pressure, humidity and gases set points.
- Multi stimuli generated in a single processing unit
- Flexibility to produce small production batches in a laboratory environment
- Compact and portable system

Stimuli



PRESSURE



TEMPERATURE



HUMIDITY



GAS



Single touch down process for a more effective and time efficient testing



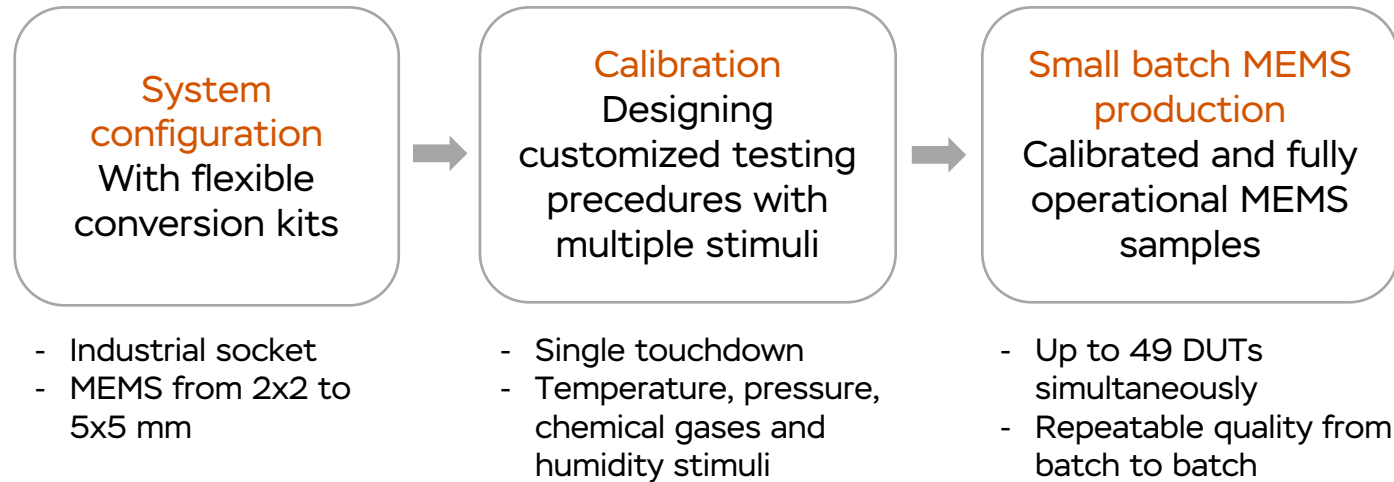
Comprehensive testing solution that covers the entire process from R&D to pilot manufacturing



Exchangeable and configurable socket for more flexible testing

ThermoLab® from R&D to pilot production in 3 steps

ThermoLab® allows characterizing and calibrating MEMS in temperature coupled with secondary stimuli, from -40°C to 125°C in less than 1 minute.



Available for commercial (0°C - 85°C) and industrial (-40°C - 125°C) applications



Unprecedented precision and contained temperature drift (less than $\pm 0.5^{\circ}\text{C}$)



Ultra fast transition temperature gradient (15°C/s)



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