



ATS THERMOSTREAM[®] SYSTEMS

PRECISION TEMPERATURE SOURCES
high speed thermal testing and conditioning

Rapid Temperature Forcing with ATS Thermostream® Systems

Thermostreams are mobile temperature control systems for high-speed thermal testing and verification of electronic components, sensors and PCBs. The ATS series brings temperature to the test site by directing a stream of cooled or heated air, reaching temperatures between -100 and +300°C very quickly. These systems provide high-throughput for small-mass test subjects in both lab and production applications.

Configurations are available – from bench top to high heat capacity systems – with a variety of enclosures to isolate the device under test. Temperature controls provide convenient setup and operation to run complex thermal cycling with inputs from a variety of sensor types (thermocouple, RTD, or diode). Run temperature testing routines with front panel or remote control via standard communications protocols.

ATS-500 Series Temperature Forcing Systems

The ATS-500 family includes systems that use a compressed air source and those that operate independent of an external air supply.

MODEL	TEMPERATURE RANGE
ATS - 505	-20°C to +225°C
ATS - 515	-45°C to +225°C
ATS - 525	-60°C to +225°C
ATS - 535*	-60°C to +225°C
ATS - 545	-80°C to +225°C

* includes air compressor and dryer system (no external air required)

“ A variety of systems designed to meet Commercial and Military Temperature Test Requirements ”



ATS-545-M



ATS-525



ATS-505



Increase Throughput

- Ultimate low down to -100°C
- Ultimate high up to $+300^{\circ}\text{C}$
- Rapid temperature cycling up to $18^{\circ}\text{C}/\text{sec}$
- Enclosures for components and PCBs

Convenient Operation

- Remote control
- No LN_2 required
- Extended reach to accommodate your test heads
- Power saver feature during idle periods

ATS-700 Series Temperature Forcing Systems

The ATS-700 family includes high-capacity systems for maximum throughput by accelerating time to temperature. They are also used for higher power and larger mass subjects at or beyond MIL-STD temperatures.

MODEL

TEMPERATURE RANGE

ATS - 710	-80°C to $+225^{\circ}\text{C}$	
ATS - 730	-90°C to $+225^{\circ}\text{C}$	high capacity
ATS - 750	-90°C to $+300^{\circ}\text{C}$	high temp, high capacity
ATS - 770	-100°C to $+225^{\circ}\text{C}$	ultra-low temp

“Improve throughput with systems capable of transition rates up to 18°C per second”

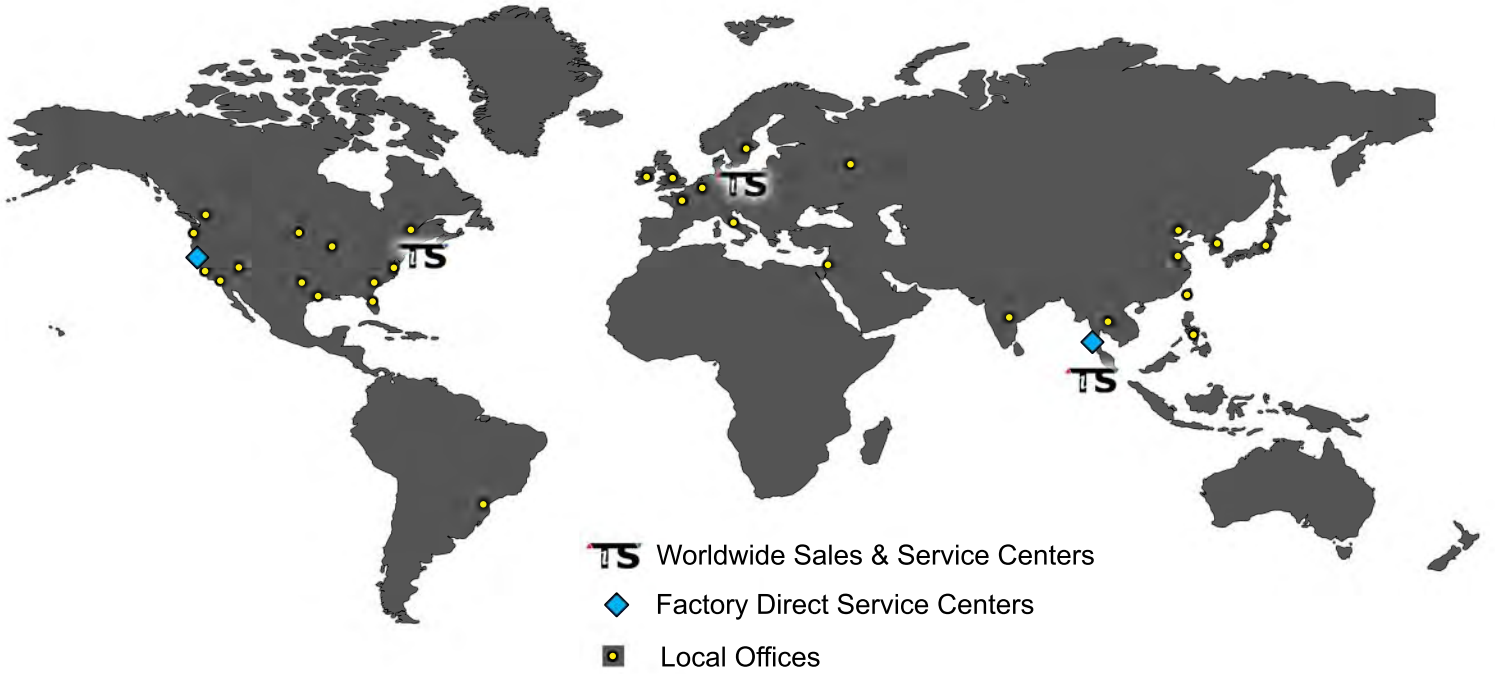
The **ATS 700 Series** Models are available with a mechanical, articulated arm or a Turret for use with separate enclosures and chambers. Optionally, the mechanical arm can be equipped with an extended height feature.



ATS-730-T



ATS-710-M



The inTEST Thermal family includes three temperature-related corporations Sigma Systems, Temptronic and Thermonics. We specialize in creating thermal environments for temperature testing, temperature conditioning and process cooling requirements. Solutions include temperature forcing units, thermal chambers and platforms, and process chillers. Overall, these high throughput solutions combine extreme thermal environments, -185 to +500°C, and rapid transitions between desired temperatures.

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