



# ATS THERMOSTREAM<sup>®</sup> SYSTEMS

PRECISION TEMPERATURE SOURCES  
the **BEST** at high speed thermal test



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# The ATS THERMOSTREAM® Systems

The **ATS THERMOSTREAM®** Systems are used in a variety of temperature testing and conditioning applications. From their traditional applications in semiconductor testing, failure analysis, and device characterization to their broader use in PCB and electronic sub-assembly testing, the **ATS Series** has a system with the temperature capabilities to meet your needs. The **ATS THERMOSTREAM®** Systems offer an innovative temperature testing solution that allows you to perform device, board, and module testing right where you need it – at your test bench, in your production facility, or in your lab. inTEST Thermal Solutions is the thermal expert with over 50 years of thermal engineering and test system development. Our goal is to make your temperature testing and conditioning as simple and cost effective as possible. The speed, precision, and portability of our new systems combined with a broader temperature range and capacity have resulted in the most comprehensive line of Temperature Forcing Systems ever – the **ATS Series THERMOSTREAM®**.

## ATS - 500 SERIES THERMOSTREAM® Systems

The **ATS-500** family includes a number of systems with a broad range of temperature capabilities. From small, bench top  $-20^{\circ}\text{C}$  units to larger  $-80^{\circ}\text{C}$  systems, the **ATS-500 Series** can be used in lab or production environments for traditional semiconductor and small assembly temperature testing.

### MODEL

### TEMPERATURE RANGE

ATS - 505

$-20^{\circ}\text{C}$  to  $+225^{\circ}\text{C}$

ATS - 515\*

$-45^{\circ}\text{C}$  to  $+225^{\circ}\text{C}$

ATS - 525\*

$-60^{\circ}\text{C}$  to  $+225^{\circ}\text{C}$

ATS - 545

$-80^{\circ}\text{C}$  to  $+225^{\circ}\text{C}$

\* available with optional low noise air compressor and dryer system

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



ATS-545-M



ATS-525



ATS-505



## Features

- LN2 not required
- Rapid temperature transitions of up to 18°C/sec
- 1.0°C accuracy
- 0.1°C resolution
- 50/60 Hz operation
- 5 year compressor warranty

## NEW

- Ultimate high up to +300°C
- Ultimate low down to -100°C
- Extended reach for ease of use and optional extended height to accommodate all testheads
- “Green” function to save power during idle periods
- Heated defrost to quickly rid the system of moisture buildup

## ATS - 700 SERIES THERMOSTREAM® Systems

The **ATS-700** family consists of several high capacity THERMOSTREAM® Systems all designed to quickly and precisely take your devices and modules to temperature. With ultimate temperature capabilities from -100°C to +300°C, not only is it possible to improve your throughput by accelerating your time to temperature, you can now test high power devices and larger thermal mass subjects at or beyond MIL-STD temperatures in a 24/7 environment. Whether used in the conventional “articulated arm” configuration or as a temperature source for an external chamber or enclosure, the **ATS-700 Series** is both powerful and versatile.

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

### MODEL

### TEMPERATURE RANGE

ATS - 710	-80°C to +225°C	
ATS - 730	-90°C to +225°C	high capacity
ATS - 750	-90°C to +300°C	high temp, high capacity
ATS - 770	-100°C to +225°C	ultra-low temp

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**



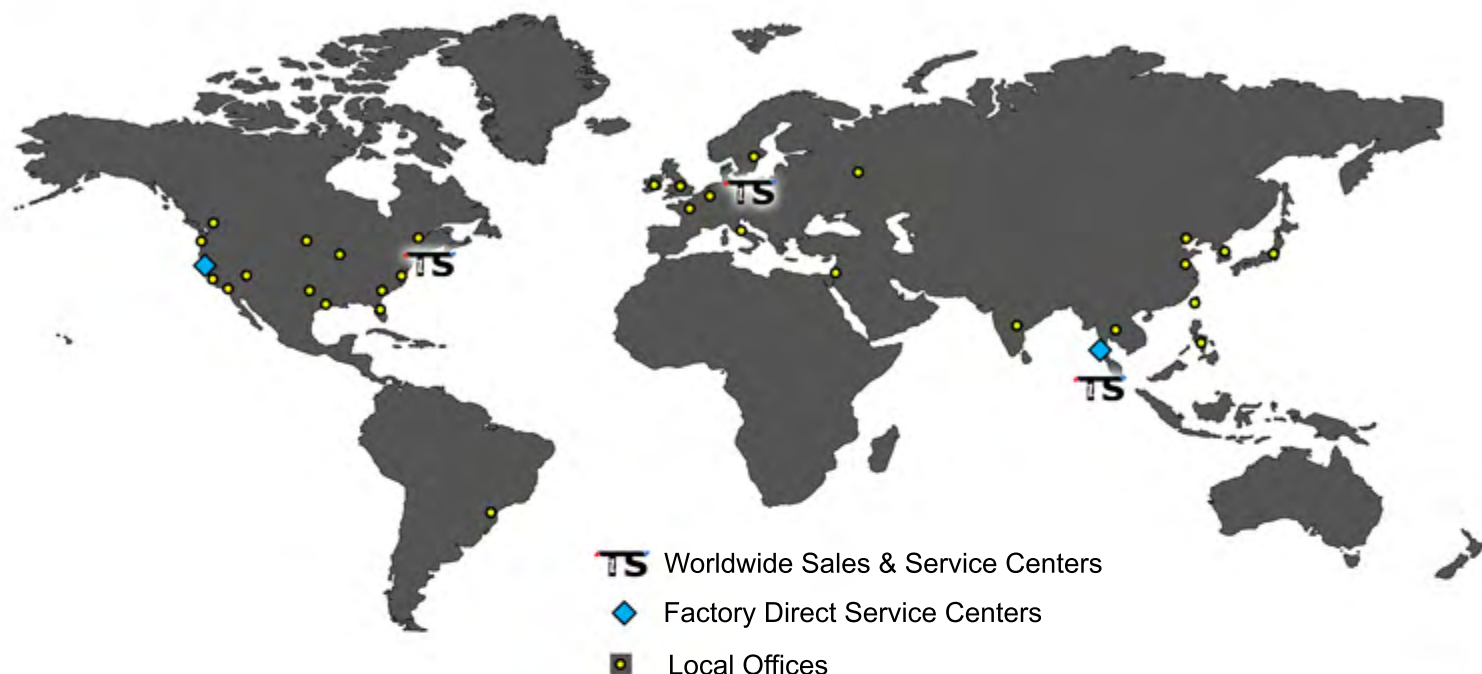
**ATS-710-M**





**inTEST** Thermal Solutions

the **BEST** at innovative thermal solutions



inTEST Thermal Solutions, inTEST Corporation's group of thermal companies, is comprised of Temptronic, Sigma Systems and Thermonics Corporations. Combined, we have decades of engineering expertise forming a solutions center capable of solving all of your temperature testing and conditioning needs. We specialize in engineering unique thermal systems including semiconductor temperature test systems, custom thermal environments and platforms, ultra-low process chillers, temperature forcing systems, and everything in between. Rely on inTEST Thermal Solutions, where designing custom thermal solutions is standard practice.

### **inTEST** Thermal Solutions Worldwide Sales & Service

North America  
41 Hampden Road  
Mansfield, MA 02048  
USA  
T: +1.781.688.2300  
F: +1.781.688.2301

Europe  
Gewerbeparkring 18  
D-15299 Muellrose  
Germany  
T: +49.33606.77700  
F: +49.33606.77701

Asia  
Block 4010 TechPlace 1  
#05-02  
Ang Mo Kio Ave 10  
Singapore  
T: +65.6552.2404  
F: +65.6552.2414

inTEST Thermal Solutions is a division of inTEST Corporation  
(NASDAQ: INTT)

inTEST Corporate Headquarters  
804 East Gate Drive  
Suite 200  
Mount Laurel, NJ 08054



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