

New SD450 Thermal Platform

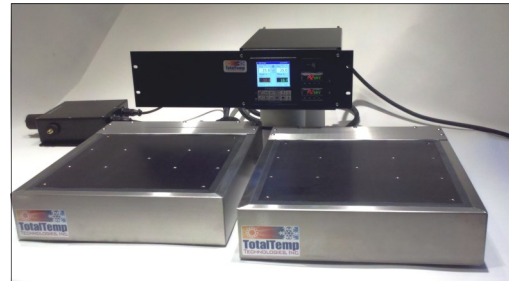


**SD450-N
Thermal Platform System
18" x 25"**

The embedded copper tube cooling channel design can be easily configured for Thermal Vacuum or Space Simulation chamber environments.

Synergy Nano easily runs two independent platforms.

- Competitive purchase price
- Even heating and cooling or dual zone option
- Extremely fast temperature transition rates
- Hard plated anodized surface for durability
- Excellent access to DUT
- Rugged Stainless Steel chassis
- High accuracy temperature sensors
- Threaded holes for adapter plate, vacuum hold down plate or clamp set mounting



Rack Mounted Dual Thermal Platform

Thermal Platform Models - Six Standard Sizes

Model # SD14

3.75" x 3.75" usable surface area (14 sq. in / 90 sq cm)

Model # SD49

6.5" x 7.5" usable surface area (49 sq in / 316 sq cm)

Model # SD98

6.5" x 15" usable surface area (98 sq in / 632 sq cm)

Model # SD144

12" x 12" usable surface area (144 sq in / 929 sq cm)

Model # SD288

12" x 24" usable surface area (288 sq in / 1858 sq cm)

Model # SD450

18" x 25" usable surface area (450 sq in / 2900sq cm)

Coolant choices

L-N₂ -100°C , High or Low Pressure

L-CO₂ -65°C , High or Low Pressure

Refrigeration Compressor

-40°C with Single Stage

-65°C with Dual Stage (Cascade)

*TotalTemp can also custom design
Thermal Platform
Systems for your specific
application.*

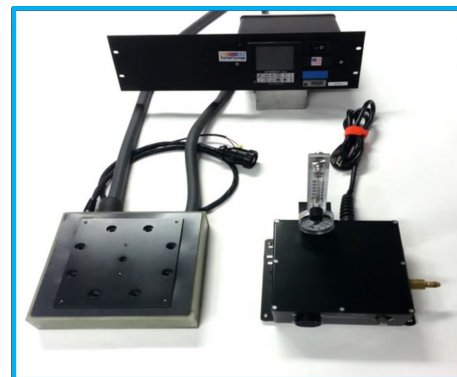


**Independent
Limit Controller**

**Purge Gas
Regulator**



**Vibration Shaker mounted
Thermal Platform**



Purge Conditioning System



Light Duty Clamp System



**Vacuum Jacketed
L-N2 hoses**

OPTIONS & ACCESSORIES

- Redundant failsafe systems and control valves
- Adapter plates
- Dry Nitrogen purge options
- Cryogenic L-N₂ & L-CO₂ delivery hoses
- 16 Channel Thermocouple Monitor
- Temperature Sensor Terminal Blocks
- Purge box, Probing cover, other custom cover options
- Exhaust muffler
- DUT Clamping options
- DUT sensors
- O₂ monitoring option for lab safety
- Easy to use Controller options (Nano only)
Web Server, GPIB, cascade control

— Either controller can be configured as a retrofit for other manufacturers systems —

www.TotalTempTech.com
Sales@TotalTempTech.com
 Phone: 888.712.2228



TotalTemp Technologies, Inc.
 3630 Hancock St. Ste A
 San Diego, CA 92110

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