

INTRODUCING...



HawQ

Portable HALT System

Standard Features

- Entry Level HALT System provides combined Environment Accelerated Testing:
 - Rapid Thermal changes from +200° C to -100° C
 - Six Degree of Freedom Repetitive Shock Vibration
- Portable for easy movement between departments
- Easy to use with preset programs & remote monitoring
- xLF2 Vibration Table with PSD Management

Work Space	19.0"w x 16.0"d x 10.0"h (482 x 406 x 254mm)
Outer Dimensions	32.8"w x 43.5"d x 56.1"h (833 x 1105 x 1425mm)
Table Size	16.0"w x 12.0"d (406 x 304mm)
Table Capacity	50 lbs (23 kg)
Actuators	2 Lubricant-free Actuators
Acceleration	4 – 40 gRMS typical
Temp Range	+200°C to -100°C
Thermal Ramp Ranges	Up to 40°C / min
Power Requirements	208VAC / 40A / 1Φ 50/60Hz 208VAC / 25A / 3Φ 50/60Hz
Air Requirements	20 scfm at 80 psi

*Patent Pending

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Thousands of companies embrace Highly Accelerated Life Testing (HALT) to rapidly improve the reliability of their electronic product designs. Conducting HALTs early in the product development process are most beneficial, as reliability can most easily be improved early in the development process. Qualmark's new Portable HALT System is a cost effective, mobile solution that is available for purchase or lease to utilize in, or near, product development groups. Qualmark's Portable HALT System provides an easy to use solution with Ethernet/WiFi options to allow for remote monitoring by development teams. This entry-level HALT System features a quiet, vibration-isolated, and easy to use system for virtually all development teams, University, R&D, and Reliability Labs.





Center of Excellence

The strategic focus of Qualmark's Center of Excellence (COE) is to reduce customer warranty costs that are attributable to product failures by deploying and supporting a Accelerated Reliability Testing program.

The COE team absorbs information about the product from customer design experts and applies decades of experience and specialized knowledge in Accelerated Stress Testing to deliver solutions that will significantly reduce existing warranty costs and proactively mitigate warranty costs in new designs. Contact the COE TODAY to request training for optimum HALT utilization.

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HawQ

Portable HALT System

New System Includes:

- One (1) year warranty
- Operations & Maintenance manual
- Multi-pane Viewing Window
- LN2 Cooling System
- PC or Monitor (optional)
- System Manager Software (optional)
- System start-up by QM certified service engineer (optional)
- System and software orientation (optional)
- Thermal Alarms (optional)



Features and Benefits

Vibration Features	Table Top	16.0" x 12.0" (406 x 304mm)
	Table Top Hardware	12 threaded 3/8-16 holes on 4" centers; M10-1.5 thread optional
	Actuators	2 pneumatic, impulse-type, lubricant-free actuators
	Vibration	Six degree of freedom, random, Omni Axial™ broadband excitation
	Table Product Capacity	50 lbs. (23 kg)
	Vibration Range	5-40 gRMS
Thermal Features	Heating System	Open-element nichrome type
	Cooling System	LN2 - insulated solenoid valve
	Temperature Range	+200°C to -100°C (+392°C to -148°C)
	Thermal Ramp Range	Heating: up to 35°C / min (average) Cooling: up to 40°C / min (average)
Internal Features	Interior Dimension	19.0"w x 15.0"d x 10.0"h (482 x 381 x 254mm)
	Interior Volume	1.65 cu/ft
	Internal Construction	Stainless Steel
Exterior Features	Exterior Dimensions	28.0"w x 33.0"d x 60.0"h (711 x 838 x 1524mm)
	External Construction	Painted steel construction
	Door	1 lifting door, opens approximately 100°
	Window	(1) 15" x 5" (381 x 127mm) multi-pane window in the door
	Access Ports	(2) 2" ports, one on each side
	Sound	Nominally <72dBA measured at 1 meter

*Patent Pending



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