

OVTT 18



Part Number: 971-5001

Standard Features

- OVTT Base Assembly
- PLC Electronic Console with PanelView Controller
- xLF2 Vibration Table with PSD Management

The OVTT™, Omni-Axial Vibration Table Top System, is the first stand-alone, compact, repetitive-shock vibration system on the market. Qualmark's OVTT 18 system is ideal for quick evaluation of field returns, repair verification and random vibration test of small products. The OVTT 18 utilizes Qualmark's patented six-degree-of-freedom vibration technology and is designed with reduced air requirements and low noise levels. The OVTT 18 system can be easily configured for placement inside a thermal chamber for combined stress tests.¹

Work Space	21.7" w x 21.7" d x 8.6" h (551 x 551 x 218mm)
Outer Dimensions	29.4" w x 34.8" d x 21.9" h (747 x 883 x 557mm)
Table Size	18" x 18" (457 x 457mm)
Table Capacity²	50lb (23kg)
Actuators	4 Actuators Lubricant-free
Acceleration	5 – 40 gRMS
Power Requirements	120/220-240VAC 3A 50/60Hz
Air Requirements	25 scfm at 70 psi (0.7 m ³ /min at 4.8 bar)



See Qualmark product catalog for configuration options, accessories, and post warranty service and maintenance plans. All specifications are subject to change without notice.

OVTT 18 System includes:

- OVTT 18 base unit with cover
- Console with PanelView Controller
- Two (2) year warranty
- Operations & Maintenance manual
- One (1) accelerometer for table control
- One (1) 10 ft accelerometer cable

Optional:

- OVTT Manager with PC and 18.5" monitor
 - Three (3) additional accelerometer input channel



Vibration Features	Table Top	18" x 18" (457 x 457mm)
	Table Top Hardware	25 threaded holes 3/8-16 on 4" (102mm) centers (M10 optional)
	Actuators	4 pneumatic, impulse-type, lubricant-free actuators
	Vibration	Six degree of freedom, random, OmniAxial broadband excitation
	Table Product Capacity ²	50 lb (23 kg)
	Vibration Range	5 - 40 gRMS (10 Hz to 5000 Hz) bare table
Internal Features	Interior Dimensions	21.7" w x 21.7" d x 8.6" h (551 x 551 x 218mm)
Exterior Features	Exterior Dimensions	With Console: 29.4" w x 34.8" d x 21.9" h (747 x 883 x 557mm) Without Console: 29.4" w x 29.1" d x 21.9" h (747 x 740 x 557mm) Without Console and Cover: 28.7" w x 28.3" d x 11.5" h (730 x 718 x 292mm)
	Cover	Clear see-through plastic with quick release hinges
	External Construction	Painted steel
	Cable Ports	(1) 2.5" (57 mm) diameter
	Sound	73 dBA at 30gRMS (at 1 meter)
Temperature Range with a Thermal Chamber¹		Without cover and console: -50°C to +150°C
Utilities	Electrical	120/220-240 Volts, 3A 50/60 Hz
	Air	25 SCFM @ 70 psi
Applications		Quick evaluations of field returns Vibration audits Mounts into most thermal chambers for combined thermal and vibration testing ¹ Depot repair and engineering development Production line screening

1. *With cover and console removed. Controller and cover are not intended for use inside a thermal chamber.*
2. *Greater load capacities can be designed, contact Qualmark for custom options.*

920-0194 _10