



Part Number: 971-5001

Standard Features

Electronic Console with
Allen-Bradley Panel View Controller
xLF2 Vibration Table with
PSD Management
OVTT Base Assembly
Allen-Bradley PLC Control

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

Work Space	20"w x 20"d x 9.5"h (508 x 508 x 242mm)
Outer Dimensions	27"w x 34.76"d x 21.91"h (686 x 883 x 557mm)
Table Size	18" x 18" (457 x 457mm)
Table Capacity²	50lbs (23kg)
Actuators	4 Actuators Lubricant-free
Acceleration³	5 – 40 gRMS typical
Power Requirements	120VAC/220-240 3A 50/60Hz
Air Requirements	30 scfm at 90 psi

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

OVTT System Includes:

- One (1) year warranty
- Operations & Maintenance manual
- One (1) accelerometer for table control provided;
Three (3) additional accelerometer input channels available
- One (1) 10 ft accelerometer cable



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
	Table Product Capacity ¹	50 lbs. (23 kg)
	Vibration Range ²	5 - 40 gRMS (10 Hz to 5000 Hz) bare table

Internal Features	Interior Construction	Stainless steel
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Exterior Features	Exterior Dimensions	With Console: 27"w x 34.76"d x 21.91"h (686 x 883 x 557mm) Without Console: 27"w x 27"d x 21.91"h (686 x 686 x 557mm) Without Console and Cover: 27"w x 27"d x 11"h (686 x 686 x 280mm)
	Hinged Top	Clear plastic PETG with quick release hinges
	External Construction	Painted steel
	Cable Ports	(1) 2" diameter
	Sound	Nominally 76 dB (A) at 1 meter
	Safety Switch	Manual air shut off

Temperature Range with a Thermal Chamber	With cover and console: +5°C To +40°C Without cover and console: -50°C To +150°C
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Utilities	Electrical	120/220-240 Volts, 50/60 Hz With Optional Controller
	Air	30 SCFM Max @ 90 PSI

Applications	<p>Quick evaluations of field returns</p> <p>Spot checks on pre and post-product release designs</p> <p>Allows reduced burn-in time</p> <p>Vibration audits</p> <p>Mounts into most environmental chambers for combined temperature and vibration testing</p> <p>Depot repair and engineering development</p> <p>Production line screening</p>
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1. With cover and console removed.
2. Greater load capacities can be designed; contact Qualmark for custom options.

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