



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.<sup>1</sup>

<b>Work Space</b>	20"w x 20"d x 9.5"h (508 x 508 x 242mm)
<b>Outer Dimensions</b>	27"w x 34.76"d x 21.91"h (686 x 883 x 557mm)
<b>Table Size</b>	18" x 18" (457 x 457mm)
<b>Table Capacity<sup>2</sup></b>	50lbs (23kg)
<b>Actuators</b>	4 Actuators Lubricant-free
<b>Acceleration<sup>3</sup></b>	5 – 40 gRMS typical
<b>Power Requirements</b>	120VAC/220-240 3A 50/60Hz
<b>Air Requirements</b>	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



<b>Vibration Features</b>	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 <sup>1</sup>	50 lbs. (23 kg)
	Vibration Range <sup>2</sup>	5 - 40 gRMS (10 Hz to 5000 Hz) bare table

<b>Internal Features</b>	Interior Construction	Stainless steel
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<b>Exterior Features</b>	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

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

<b>Applications</b>	Quick evaluations of field returns Spot checks on pre and post-product release designs Allows reduced burn-in time Vibration audits Mounts into most environmental chambers for combined temperature and vibration testing Depot repair and engineering development Production line screening
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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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