

OVTT 24



Part Number: 971-5200

Standard Features

OVTT 24 Base with Removable Lid

PLC Electronic Console with
Touch Control Display

xLF2 Vibration Table with
PSD Management

The OVTT™, OmniAxial™ Vibration Table Top, series introduced the first stand-alone, compact, repetitive-shock vibration system on the market and features Qualmark's patented six-degree-of-freedom vibration technology. The OVTT 24 system provides 77% more table surface area than the OVTT 18 which makes it an ideal tool for in-production-line, broadband spectrum vibration testing of product. It is also ideal for quick evaluation of field returns, repair verification and random vibration testing of multiple small products and can be configured for placement inside a thermal chamber for combined stress tests¹.

Work Space	24" w x 24" d x 9.5" h (722 x 610 x 305mm)
Outer Dimensions	Base 33.7" w x 33.7" d x 24.5" h (856 x 856 x 622mm) Console 28" w x 8.75" d x 8.3" h (711 x 222 x 211mm)
Table Size	24" x 24" (609 x 609mm)
Table Capacity²	100 lbs. (45 kg) 200 lbs. (91 kg) Optional
Actuators	5 Actuators Lubricant-free
Acceleration	5 – 60 gRMS typical
Power Requirements	115VAC/230VAC 3A 50/60Hz
Air Requirements	40 SCFM @ 80 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 24 System includes:

- OVTT 24 base unit with lid
- Console with touch control display
- One (1) 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 channels



Vibration Features	Table Top	24" x 24" (609 x 609mm)
	Table Top Hardware	36 threaded holes 3/8-16 on 4" (102mm) centers; M10 optional
	Actuators	5 pneumatic, impulse-type, lubricant-free actuators
	Vibration	Six degree of freedom, random, OmniAxial broadband excitation
	Table Product Capacity ²	100 lbs. (45 kg); optional - 200 lbs. (91 kg)
	Vibration Range	5 - 60 gRMS (10 Hz to 5000 Hz) bare table

Internal Features	Interior Dimensions	24"w x 24"d x 9.5"h (722 x 610 x 305mm)
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Exterior Features	Exterior Dimensions	Base: 33.7"w x 33.7"d x 24.5"h (856 x 856 x 622mm) Base without cover: 33.7"w x 33.7"d x 14.1" h (856 x 856 x 358mm) Console: 28"w x 8.75"d x 8.3"h (711 x 222 x 211mm)
	Hinged Top	Clear see-through plastic with quick release hinges
	External Construction	Painted steel
	Cable Ports	(4) 6" x 1" (152 x 25mm)
	Sound	Nominally 76 dB (A) at 1 meter

Temperature Range with a Thermal Chamber¹	Without cover and console: -50°C to +150°C
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Utilities	Electrical	115/230 Volts, 50/60 Hz
	Air	40 SCFM @ 80 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.*

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