

# 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 is a stand-alone, compact, repetitive-shock vibration system and features six-degree-of-freedom vibration technology. ESPEC's Qualmark brand 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 tests<sup>1</sup>

<b>Work Space</b>	29.3" w x 29.2" d x 9.4" h (744 x 742 x 239 mm)
<b>Outer Dimensions</b>	Base 36.0" w x 35.7" d x 24.6" h (915 x 906 x 625 mm) Console 28.2" w x 9.1" d x 8.3" h (717 x 232 x 211 mm)
<b>Table Size</b>	24" x 24" (610 x 610 mm)
<b>Table Capacity<sup>2</sup></b>	100 lb (45 kg) 200 lb (91 kg) Optional
<b>Actuators</b>	5 Actuators Lubricant-free
<b>Acceleration</b>	5 – 60 gRMS
<b>Power Requirements</b>	115VAC/230VAC 3A 50/60Hz
<b>Air Requirements</b>	40 SCFM at 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 cover
- Console with touch control display
- 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 monitor
- Three (3) additional accelerometer input channels
- Lids - 15.9" (403.9 mm) work space, or 15.9" (403.9 mm) work space with cable notches



<b>Vibration Features</b>	Table Top	24.0" x 24.0" (610 x 610mm)
	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 <sup>1</sup>	100 lb (45 kg); optional - 200 lb (91 kg)
	Vibration Range <sup>2</sup>	5 - 60 gRMS (10 Hz to 5000 Hz) bare table

<b>Internal Features</b>	Interior Dimension	29.3"w x 29.2"d x 9.4"h (744 x 742 x 239mm)
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<b>Exterior Features</b>	Exterior Dimensions	Base: 36.0"w x 35.7"d x 24.6"h (915 x 906 x 625mm) Base without cover: 35.5"w x 35.0"d x 14.2" h (901 x 888 x 359mm) Console: 28.2"w x 9.1"d x 8.3"h (717 x 232 x 211mm)
	Cover	Clear plastic with quick release hinges
	External Construction	Painted steel
	Cable Ports	(2) 6" x 1" (153 x 26mm)
	Sound	73 dBA at 30 gRMS (at 1 meter)

<b>Temperature Range with a Thermal Chamber<sup>1</sup></b>	Without cover and console: -50°C to +150°C
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<b>Utilities</b>	Electrical	115/230 Volts, 50/60 Hz
	Air	40 SCFM at 80 psi (1.1 m <sup>3</sup> /min at 5.5 bar)

<b>Applications</b>	Quick evaluations of field returns Vibration audits Mounts into most thermal chambers for combined thermal and vibration testing <sup>1</sup> Depot repair and engineering development Production line screening
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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 ESPEC for custom options

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