

Quiet Work Surfaces for Precision Research & Manufacturing



NEW

83-500 Series Multi-Purpose Acoustic Enclosure

**For Microscopes, AFMs and
Other Small Precision Instruments**



***TMC introduces the 83-500 Series Acoustic Enclosure.
A robust, floor-mounted acoustic enclosure that is compatible
with TMC's line of TableTop™ Vibration Isolation Systems.***

Precision Vibration Isolation Systems

83-500 Series **NEW**

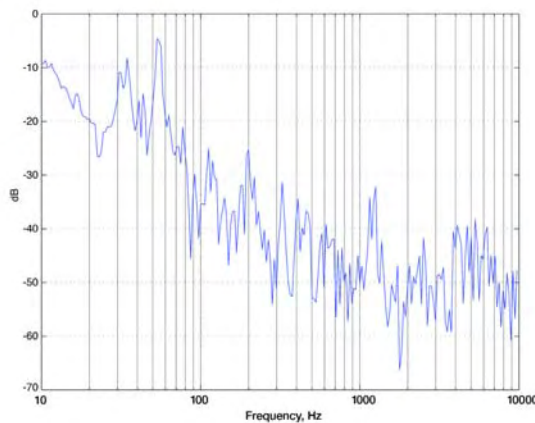
Multi-Purpose Acoustic Enclosure



TMC has offered custom acoustic enclosures for our equipment maker customers for many years. These enclosures are highly engineered and uniquely suited to the specific tool being isolated.

End-users, however, were placed in a position of having to design their own acoustic enclosures for their unique applications. Given the level of design involved, this was impractical. Demand arose for a standard, "off-the-shelf" TMC enclosure incorporating many of the features of our custom enclosures with the practicality of a single, multi-purpose design. The 83-500 Series Acoustic Enclosure was designed as this multi-purpose acoustic enclosure.

Acoustic Transmissibility



Features & Benefits

- ▶ Steel exterior with powder-coat finish
- ▶ Acoustic attenuation, up to 40 dB
- ▶ Enclosure compatible with TMC line of active and passive table top vibration isolation systems
- ▶ Hinged side panels, glass window, and casters
- ▶ Self-opening front panel retracts away from operator
- ▶ Robust handle and latch ensure comfort and ease of use



83-500 Series Multi-Purpose Acoustic Enclosure shown housing TableTop PZT™.

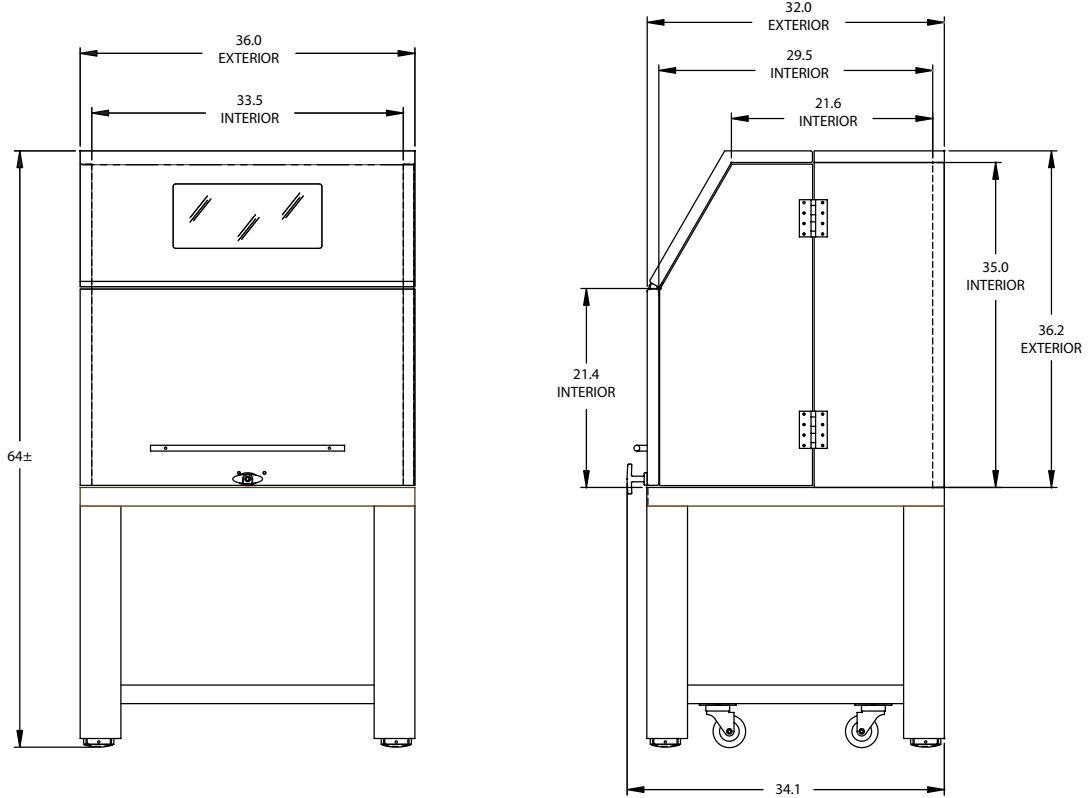


83-500 Series Multi-Purpose Acoustic Enclosure shown housing TableTop CSP®.

Acoustic Enclosure Ordering Chart

Catalog No.	Description	Width	Depth	Height	Pricing
83-501	Multi-Purpose Acoustic Enclosure	36 in.	32 in.	64 in.	Contact TMC

Quiet Work Surfaces for Precision Research & Manufacturing



For some applications, a custom acoustic enclosure may be necessary. This may demand a significant level of design and engineering. TMC can work with you to configure such a system tailored to your unique requirements.

OEM and Custom Configurations

Integrated steel and stainless steel assemblies incorporating TMC's proprietary vibration and acoustic control techniques



Full-size "Walk-in" Acoustic Enclosures



Acoustic Enclosure and Vibration Isolation System



Electropolished Stainless Steel Acoustic Enclosure with integrated TMC Electro-Damp® PLS Vibration Isolation System for Veeco Process Metrology AFM



15-foot long "T" shaped Breadboards with acoustic/em/dust housings (Pre-Amplifier Modules for National Ignition Facility at LLNL).

TMC Products AT-A-GLANCE

Laboratory Tables & TableTop™ Platforms



63-500 SERIES
High-Performance
Lab Tables



63-500 SERIES
with a SpaceSaver™
Accessory



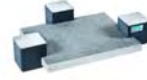
63-600 SERIES
ClassOne™
Workstations



68-500 SERIES
High-Capacity
Lab Tables



20 SERIES
Active Vibration
Isolation Tables



64 SERIES
TableTop™
Platforms



TableTop PZT™
Active Hard-Mount Table
Top Isolator



66 SERIES
TableTop™ CSP®
Pneumatic Vibration Isolation
System

Optical Tops, Breadboards, & Supports



780 SERIES
CleanTop™ II Optical Tops



770 SERIES
CleanTop™ II Optical Tops



790 SERIES
ClassOne CleanTop™ II
Optical Tops



710 SERIES
Non-Magnetic
CleanTop™ II Optical Tops



78 SERIES
CleanTop™ II
Breadboards 2 & 4 in.
Thick (50, 100 mm)



77 SERIES
CleanTop™ II
Breadboards 2 & 4 in.
Thick (50, 100 mm)



75 SERIES
Lightweight
Breadboards
2 in. Thick (47 mm)



SYSTEM 1
4-Post Systems with Tiebars



SYSTEM 1
Free-Standing
Individual Posts



Overhead
Shelf



Joined Tables

STACIS® Active Piezoelectric Vibration Cancellation System



STACIS® 2100
Active Piezoelectric
Vibration Cancellation System

Floor Platforms for Raised & Solid Floors



Quiet Island®
STACIS® 2100 Active Piezoelectric
Vibration Cancellation System



FloorPlatform PZT™
Active Hard-Mount Vibration
Cancellation System



65 SERIES
Floor Platforms

Electro-Damp® Active Vibration Cancellation System



Electro-Damp® PZT
Frame-Mountable Active Hard-Mount
with Extended Stroke



Electro-Damp® II
Active Pneumatic
Vibration Damping
System



Electro-Damp® PLS
DSP Precision Leveling System



PEPS®
Precision Electronic
Positioning System



PEPS-VX®
Vibration Cancellation
Add-On for PEPS®



AccuDock™
Precision Kinematic
Docking System

Pneumatic Vibration Isolators for OEM Applications



Gimbal Piston™
Isolators
Air Vibration
Isolation System



CSP®
Compact Sub-Hertz
Pendulum Vibration
Isolation System



MaxDamp®
Vibration
Isolation System



Mag-NetX™
Magnetic Field Cancellation
System



Type II
Faraday Cages

Magnetic Field Cancellation & Electric Field Shielding Systems

Acoustic Enclosures & Precision Structures



83-500 Series
Multi-Purpose
Acoustic Enclosure



Full Size
"Walk-In"
Acoustic
Enclosures



Acoustic Enclosure &
Vibration Isolation
Systems



Electropolished
Stainless Steel
Acoustic Enclosure
With Integrated
TMC Electro-Damp®
PLS



"T" Shaped
Breadboards
with Acoustic /
Emi / Dust
Housings



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