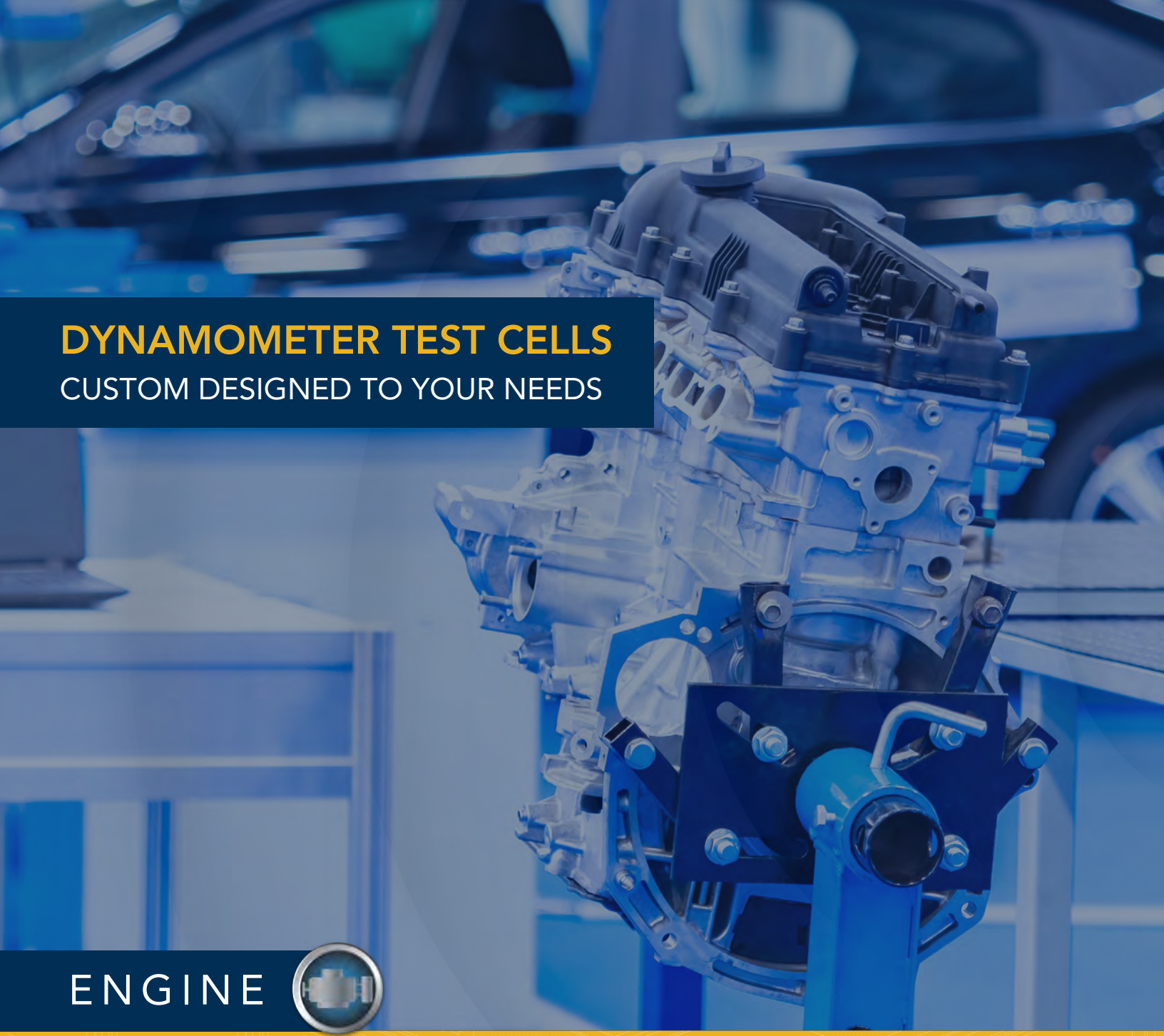
MODULAR PRE-ENGINEERED DYNAMOMETER TEST CELLS

DYNO TEST CELLS

Soundmaster
DYNO CELLS
powered by
NOISE BARRIERS.



DYNAMOMETER TEST CELLS

CUSTOM DESIGNED TO YOUR NEEDS

ENGINE

- Facilitates more accurate testing
- Oil, fuel, projectile and blast resistant
- Custom solutions for large vehicles
- Indoor or outdoor models
- Easier to build than conventional construction
- Predictable and guaranteed noise reduction
- Custom designs to meet the requirements of your facility
- Produces a uniform test environment that duplicates "as run" conditions

FEATURES:	SOUNDMASTER	STANDARD CONSTRUCTION	OTHER MODULAR SYSTEMS
Pre-Engineered rooms readily available in kit form	**Unlimited Sizes**	No	Limited Sizes
Standard components, unlimited sizes and configurations	**Yes**	No	No
Guaranteed predictable noise reduction 40dBA or more	**Yes**	No	Not Standard
Single source turnkey responsibilty	**Yes**	No	Yes
Doors, windows and panels independent	**Yes**	No	No
Multiple panel/door performance to meet specific needs	**Yes**	No	No
Qualifies for accelerated depreciation and tax savings	**Yes**	No	Yes
All components meet TM E-84 Class 1 fire rating	**Yes**	No	Yes
2 Hour Fire Rated Panels	**Yes**	No	No
High performance, silenced ventilation systems	**Yes**	No	No
Shop exposed to noise vent system blower	**Yes**	Unknown	Yes
Suitable for outdoor standard use	**Yes**	No	No
Fast, clean construction	**Yes**	No	Yes
125 psf roof load capability standard	**Yes**	No	No

THE SOUNDMASTER DYNO TEST CELL IS A PRE-ENGINEERED MODULAR SYSTEM

specifically designed for building a sound controlled, high performance motorcycle, engine or vehicle test cell specifically designed to work with Dynamometers and provide in excess of 40 dBA sound reduction, with guaranteed performance.

LEARN MORE →

SOUNDMASTER DYNAMOMETER TEST ROOMS

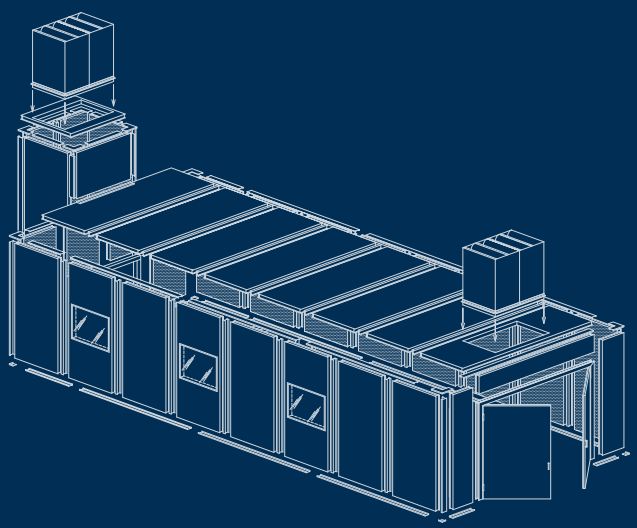
provide properly silenced ventilation, evacuate heat, CO, and hydrocarbons. This ensures correct and stable airflow, a safe working environment, and sound reduction beyond conventional construction.

SOUNDMASTER DYNAMOMETER TEST CELLS

include all materials necessary for your personnel to assemble a room within 2-4 days. Complete drawings and assembly instructions combined with our technical support make installation simple.

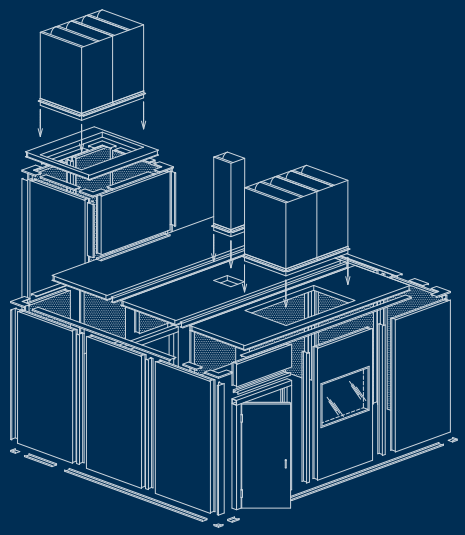
PROFESSIONAL SERIES

- Perfect for noise sensitive areas
- Provides in excess of 40dBA sound reduction
- The choice of many professional test facilities



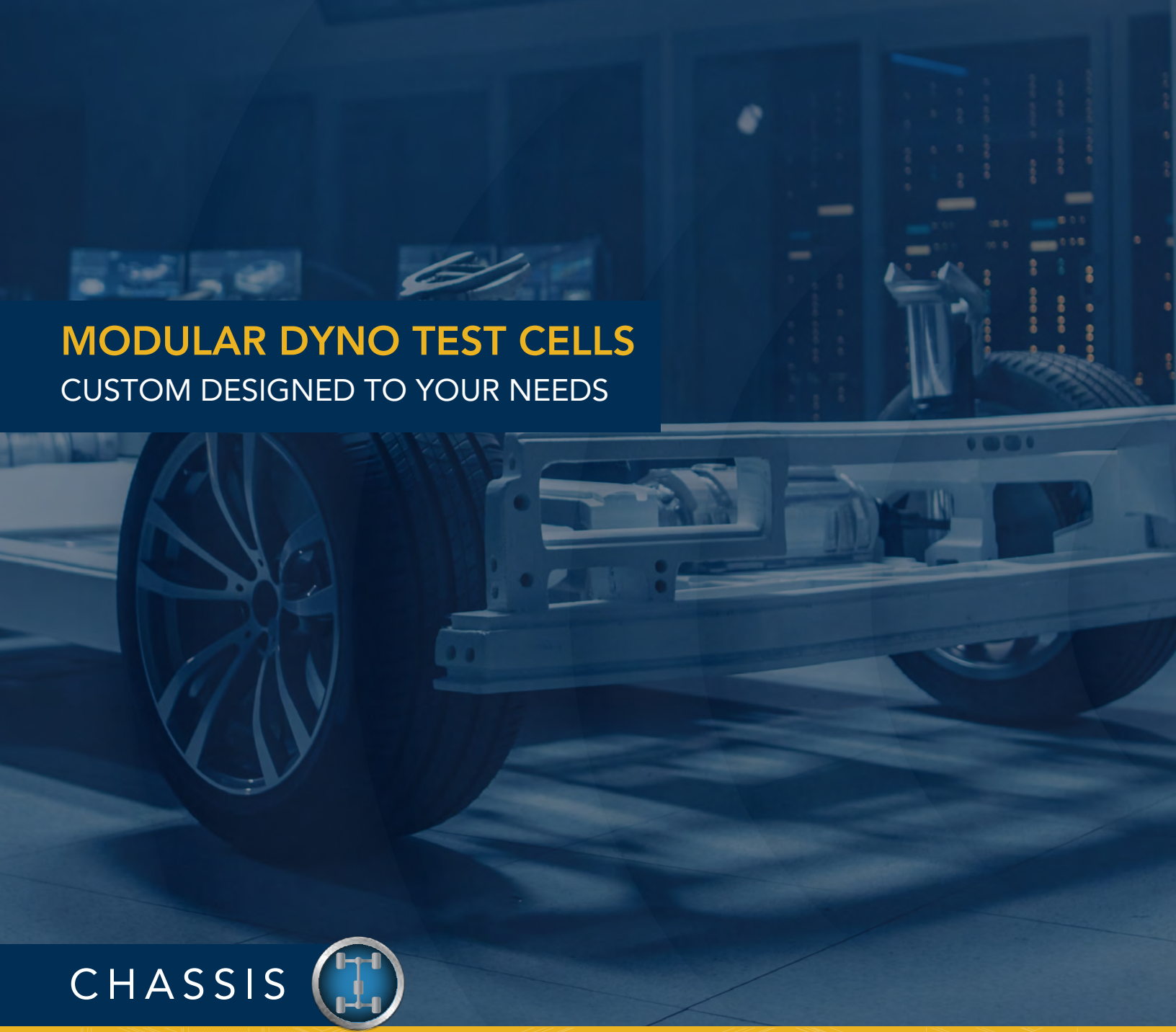
COMPETITIVE EDGE SERIES

- Indoor/Outdoor applications
- 12’ x 12’ x 8’ room investment comparable to sheet rock and masonry construction



CYCLE

- Facilitates more accurate testing
- Oil, fuel, projectile and blast resistant
- Custom solutions for large vehicles
- Indoor or outdoor models
- Easier to build than conventional construction
- Predictable and guaranteed noise reduction
- Custom designs to meet the requirements of your facility
- Produces a uniform test environment that duplicates "as run" conditions



MODULAR DYNO TEST CELLS

CUSTOM DESIGNED TO YOUR NEEDS

CHASSIS

- Guaranteed performance
- Significant tax advantages
- Single source responsibility
- Easy to relocate or reconfigure
- No construction mess
- More durable than sheetrock construction
- Any size, any shape – not just square
- Fast, easy installation
- Competitive pricing
- Creates a safer environment for test technicians
- Custom designed layouts and sizes using standard components

WE BUILD MODULAR TEST CELLS

DESIGN - SUPPLY - INSTALLATION

- Predictable and guaranteed noise reduction
- High performance, lab-rated test cell including sound control doors/windows and silenced ventilation system
- Guaranteed to meet local noise ordinances… ideal for neighbor sensitive projects or locations
- Protect shop personnel and customers from annoying, potentially harmful noise
- Modular sounds absorption wall panels available to retrofit existing test cells

STANDARD AND CUSTOM LAYOUTS

- Let our design team help you customize the best configuration for your needs
- Custom designs and shapes available at standard pricing
- Indoor and outdoor ventilation systems
- Modular control rooms available
- Can be designed to support roof-top equipment, hoods and cranes
- Can be tied into existing building walls
- We design the proper airflow to ensure you get test repeatability and reliability

COST EFFECTIVE MODULAR DESIGN

- We include design, engineering, and architectural drawings
- Qualifies for accelerated depreciation as equipment
- Qualifies for Section 179 tax credits…consult your tax professional
- Leasing options available through third party firms
- Adjoining cells can share common walls and ventilation systems

LEARN MORE →

QuietMod® PANELS
ACOUSTICAL PERFORMANCE DATA
SOUND TRANSMISSION LOSS DATA, dB

Octave Band Center Frequency, Hz	125	250	500	1K	2K	4K	STC
H/P 38 - 2" Thick	24	25	33	43	50	55	**38**
H/P 42 - 4" Thick	23	31	40	49	56	62	**42**
H/P 43 - 6" Thick , 2 Hour Fire Rated	24	32	38	46	56	65	**43**
H/P 44 - 4" Thick	27	34	41	46	43	59	**44**
H/P 50 - 4" Thick	29	37	48	56	57	54	**50**
H/H 50 - 4" Thick	26	44	50	54	57	64	**50**
H/H 52 - 4" Thick	37	43	47	53	54	57	**52**
H/H 54 - 4" Thick	40	46	51	55	58	62	**54**
H/H 59 - 4" Thick	43	45	56	66	67	77	**59**

All tests performed by an independent NV LAP accredited acoustical testing facility.
The test method conforms with ASTM Designations E90-99 or E90-02 and E413-87.

QuietMod® PANELS
SOUND ABSORPTION COEFFICIENTS

Octave Band Center Frequency, Hz	125	250	500	1K	2K	4K	NRC
H/P 38 - 2" Thick	0.53	0.33	1.00	1.03	0.97	1.02	**0.90**
H/P 42 - 4" Thick	0.68	1.68	1.06	1.12	1.08	1.03	**0.98**
H/P 43 - 6" Thick	0.96	1.15	1.20	1.14	1.10	1.02	**0.95**
H/P 44 - 4" Thick	0.45	0.96	1.15	1.10	1.05	0.97	**1.05**

All tests performed by an independent NV LAP accredited acoustical testing facility.
The test method conforms with the requirements of the ASTM Standard Test Method for Sound Absorption and Sound Absorption
Coefficients by the Reverberation Room Methods: ASTM C423-90a and E795-00.