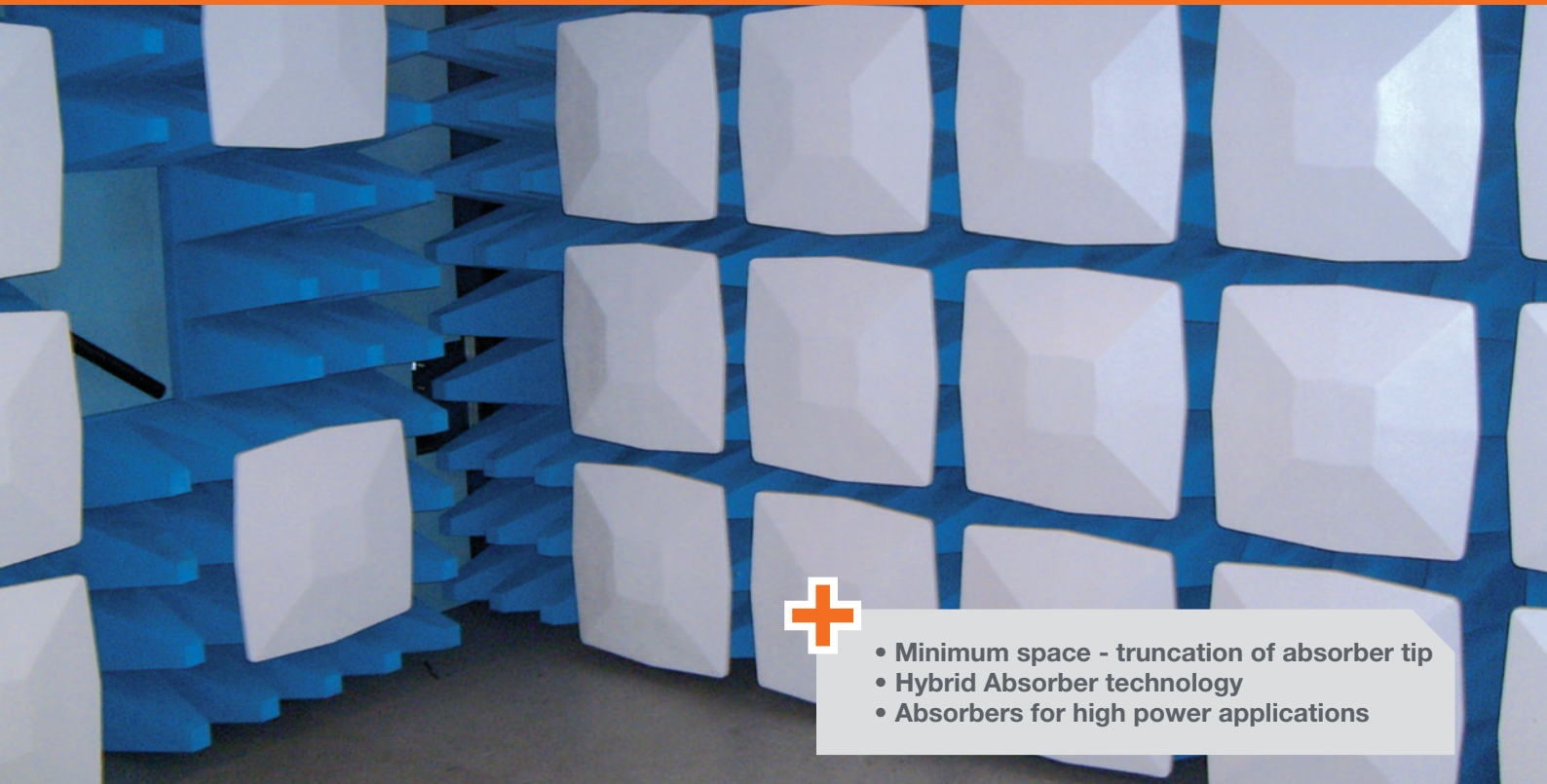


MIL STD Chamber

EMC-MIL STD Anechoic EMC Test chamber



- Minimum space - truncation of absorber tip
- Hybrid Absorber technology
- Absorbers for high power applications

SOLUTION FOR

EMC test sites designed for testing in accordance with the MIL STD 461 military standard

Main features

- Fully compliant design to meet MIL STD 461 and RTCA DO160 requirements
- Dimensions may vary, dependent on the dimensions of the equipment under test for e.g. a test bench or aircraft
- High power absorbers available for radar and other applications
- Commercial testing option with HyPyr-Loss™ Ferrite and Hybrid Lining available
- Optimised computer modelling to enable partial Hybrid low cost version
- Bespoke and modular design enable unlimited performance options
- Available as a Turnkey Package – chamber, Antenna & mast, turntables, instrumentation and software

The EMC-MIL STD may be designed for bench top measurements through to large vehicle and aircraft applications. This unique design requires less volumetric space than traditional absorbers by the truncation of the absorber tip without causing performance loss. Very high power absorber options are also available where radar or other high power applications may be required within the anechoic chamber.

Product configurations

Dimensions (shielding)	5.8 m x 5.8 m x 3.8 m
Performance range	26 MHz - 40 GHz
Standard equipment	<ul style="list-style-type: none"> • SmartShield RF shielded room • Absorber lining: HyPyr-Loss™ Ferrite & Hybrid lining Complete with:
QTY	TYPE
1	1.0 m Wide x 2.1 m High personnel door
2	Mains filter 240 V 50/60 Hz, 32 A
2	Attenuvents (300 mm x 300 mm)
1	Electrical distribution
2	Single phase sockets
2	Lights
1	Connector panels 300 mm x 300 mm
Accessories	<ul style="list-style-type: none"> • Access doors - manual, semi & fully automatic • Test bench • Turntable, masts & controllers • 3 phase mains filters • Control data/ line filters • Test and measurement EMC systems • Air conditioning • CCTV & audio system • Fire detection/suppression • Chamber validation/calibration • Control room • Amplifier room

Technical data

Full compliance with the reflectivity requirements	<ul style="list-style-type: none"> • MIL-STD-416 • RTCA DO/160
Full compliance testing for Radiated Immunity	<ul style="list-style-type: none"> • IEC 61000-4-3/EN 61000-4-3 • ISO 11452 • SAE J551 • CISPR 25
Full compliance testing for Radiated Emissions	<ul style="list-style-type: none"> • ANSI-C63.4 • FCC parts 15 & 18 • EN 50147-2 • EN 55011/CISPR 11 • EN 55016/CISPR 16 • EN 55022/CISPR 22 • EN 55025 • VCCI V - 3/ 2004.04
Quality standards	<ul style="list-style-type: none"> • ETSI - UKAS accredited • ISO17025; ISO9001 • Environmental standard ISO 14001

Performance

Fully compliant with the reflectivity requirements of the MIL STD 461 specifications:

RF absorber reflectivity MIL STD 461 requirement

FREQUENCY (MHz)	REFLECTIVITY (dB)
80	-6
250	-10

AEP-20-TRN performance results

FREQUENCY (MHz)	REFLECTIVITY (dB)
80	-7
250	-24
500	-36
1.0	-40
10-18	-50



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Contact your local sales representative for more information

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