Mini Anechoic Chambers

Solutions to industrial and
environmental noise problems

iac acoustics

making the world a quieter place

IAC Microdyne® Mini Anechoic Chambers

IAC Mini Anechoic Chambers provide a compact, low-cost anechoic test environment in which manufacturers of small devices and components can measure, accurately, the noise emissions of their products.

- Custom-designed and manufactured to almost any size / specification
- High performance - typical cut-off frequency of 300 Hz
- Low cost (compared to 'walk-in' rooms)
- Fully assembled, ready to use
- Ideal for both product development and quality control testing
- Hundreds in use throughout the world
- Larger anechoic and semi-anechoic test rooms also available
- BS EN ISO 9001 quality registered

Microdyne® mini anechoic chambers are designed and constructed by IAC Acoustics to accommodate the specific products and test methods of individual customers. The size of the unit is calculated to take account of how and where it will be used. Optional features also include:

- Single or double-leaf acoustic doors
- Mesh shelves and hangers to support the test subject
- Wall penetrations for cables, wires etc - in any chosen position
- A variety of colours for foam wedges and exterior finish

Typical Specification

Dimensions (approx.):
Outside - 1400mm x 1400mm x 2000mm high
Inside - 900mm x 900mm x 1500mm high (between wedge tips)
Construction (outer casing):
100mm thick Noishield® modular acoustic panels
Wedges: Fire-retardant, open cell foam
Noise Reduction: Outside to inside 50dBA
Cut-Off Frequency: 300Hz
Weight: Approx. 800Kg
Finish (exterior): Polyester Powder Coat (PPC)

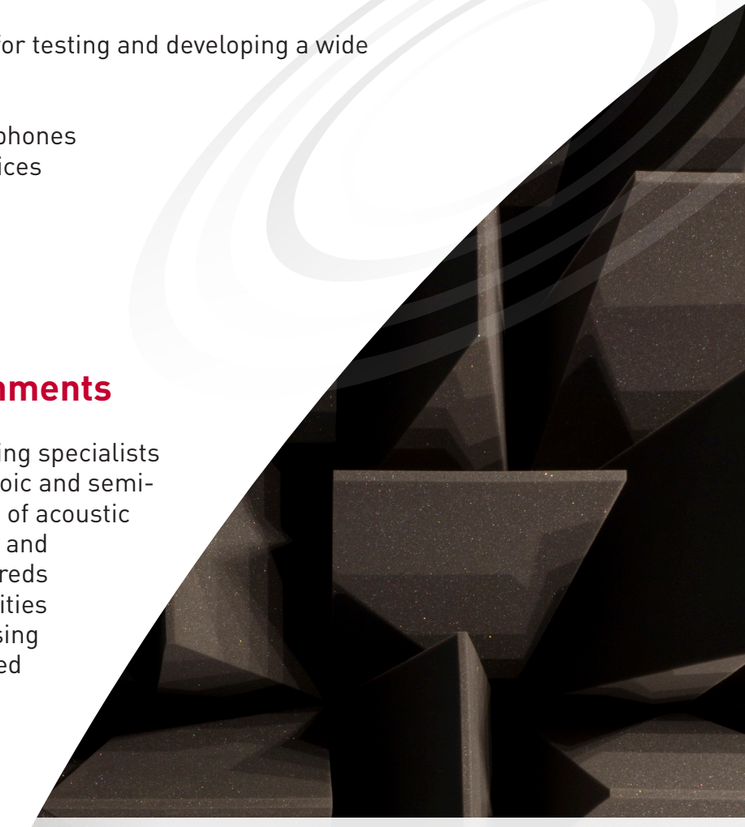
Typical Uses

IAC Mini Anechoic Chambers are ideal for testing and developing a wide range of products, including:

- Telecoms equipment, including cellphones
- Speakers and other audio/video devices
- Small household appliances
- Small motors and fans
- Computer disc drives
- Medical instruments
- Automotive components

Other Acoustic Test Environments

IAC Acoustics is one of the world's leading specialists in the design and construction of anechoic and semi-anechoic testing rooms and other types of acoustic test environments. It has built research and product development facilities for hundreds of international manufacturers, universities and government organisations, often using the unique and revolutionary metal-faced Metadyne® anechoic wedge system, as seen below.



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