



# Mini Anechoic Chamber

MAC SERIES

[iac-acoustics-thailand.com](http://iac-acoustics-thailand.com)



## Acoustic Test Facilities for Manufacturers of:

- Vehicles
- Engines
- Motorcycles
- Diesel Generators
- Mechanical Plant Equipment
- Home Appliances
- Office Machines
- Electronic Components
- Computers
- Mobile Phones
- Hi-Fi Equipment

# Mini Anechoic Chamber

IAC ACOUSTICS MAC MINI ANECHOIC CHAMBER PROVIDES A COMPACT LOW COST ANECHOIC TEST ENVIRONMENT IN WHICH MANUFACTURERS OF SMALL DEVICES AND COMPONENTS ACCURATELY CAN MEASURE THE NOISE EMISSIONS OF THEIR PRODUCTS

- Custom designed and manufactured to almost any size or specification
- Fully assembled and ready to use
- Ideal for both product development and for quality control testing
- Portable
- Suitable for ISO 3744 and ISO 3746 testing

All MACs has been designed and constructed by IAC Acoustics to accommodate for the specific products and test methods of individual customers. The size of the unit is designed to take into account of how and where it will be used.

## Other Acoustic Test Environments

IAC Acoustics is one of the world's leading specialists in the design and construction of anechoic and hemi-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 organizations.

# IAC Acoustics offers a complete solution to all types of acoustic test facilities



## Typical Specification

### Dimensions

Outside: 1,000 x 1,100 x 1,200 mm  
Inside: 600 x 700 x 800 mm  
(between wedge tips)

### Construction

100 mm thick acoustic panels

### Wedges

30 - 100 mm pyramid shaped  
acoustic foam

### Vibration Insulation

Anti-vibration pads

### Sound Insulation

Expected Noise Reduction Rating:  
Rw42 dB

### Sound absorption

Lower Cut-Off Frequency: 300 - 500 Hz  
Upper Cut-Off Frequency: 10,000 Hz

### Weight

46 kg/m<sup>2</sup>

### Finish

Polyester Powder Paint in  
any given RAL color

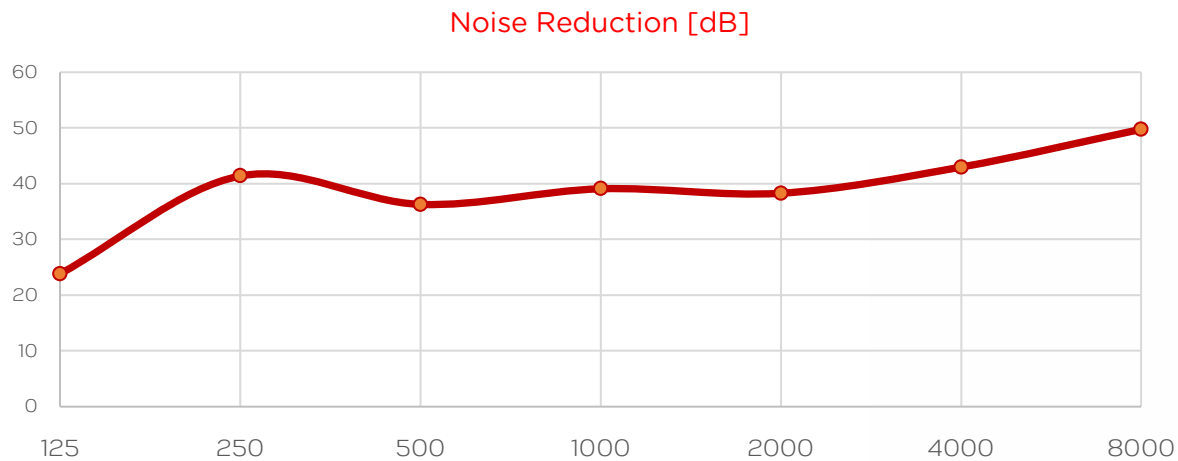
## Optional Features

Modify the MAC to fit any measurement setup with the following additional features:

- Lighting
- Power socket
- RF Shielding
- Wall penetrations for cables, wires, pipes etc. in any chosen position
- Acoustic window
- One-way glass
- Built-in ventilation
- Wheeled table
- Anti-vibration stand
- Test stand and hangers
- Speaker mounts
- Webcam
- Metal tray
- Grounding

## Noise Reduction Octave Band Centre Frequency (Hz)

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Noise Reduction (dB)	23.8	41.4	36.3	39.1	38.3	43.0	49.8





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IAC has worldwide offices and manufacturing plants in the UK, Australia, Canada, China, Malaysia, Indonesia, Thailand, Philippines Denmark, France, Germany, Italy, Spain, UAE - Dubai, USA Houston, USA Lincoln, USA - New York.

