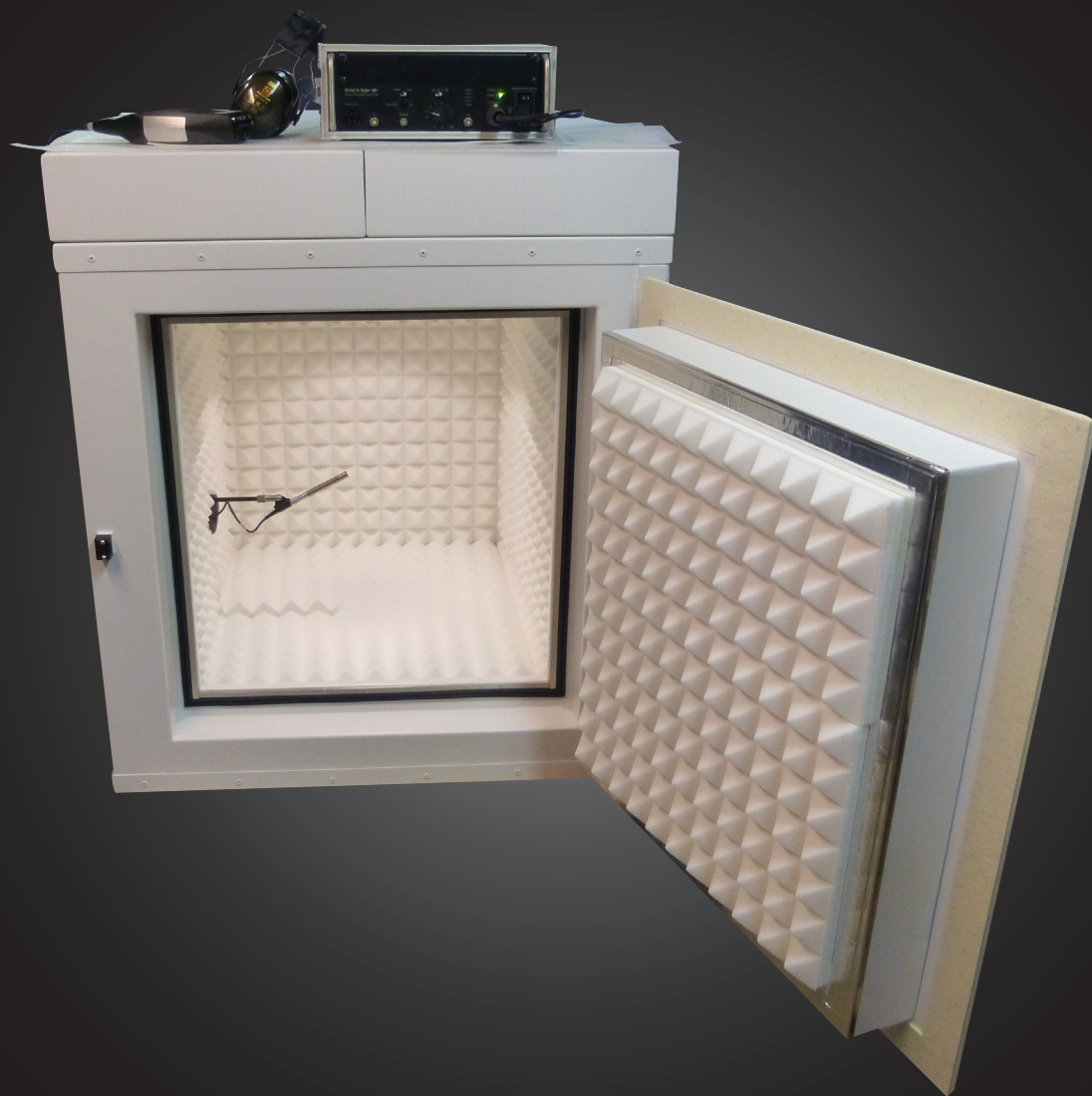


# MAC Series

Mini Anechoic Chamber



# MAC Series

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.

## Typical Uses

IAC Acoustics' MAC is ideal for testing and developing of a wide range of products, including:

- Automotive components
- Hearing aids
- Horns and alarms
- Medical instruments
- Mini transformers
- Pneumatic devices
- Power tools
- Pumps
- Small household appliances
- Small motors and fans
- Speakers and other audio/video devices
- Telecoms equipment, including cell phones

## 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 organisations.

## 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>

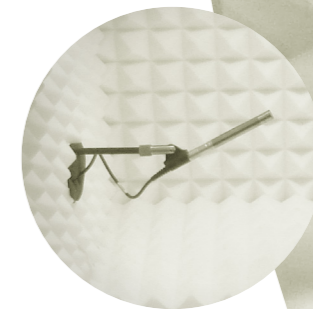
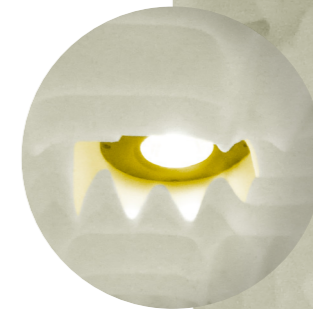
### Finish

Polyester Powder Paint in any given RAL colour

## 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



**Australia****T:** +61 (0) 2 8781 0400**F:** +61 (0) 2 9725 2939**E:** info@iac-australia.com.au**China****T:** +86 (0) 769 89899966 802**F:** +86 (0) 769 89899966 810**E:** china.sales@iac-china.com**Denmark****T:** +45 36 77 88 00**E:** mail@iac-nordic.dk**Germany****T:** +49 (0) 2163 9991 0**F:** +49 (0) 2163 9991 23**E:** deutschland@iac-gmbh.de**United Kingdom****T:** +44 (0) 1962 873 000**E:** info@iac-uk.com