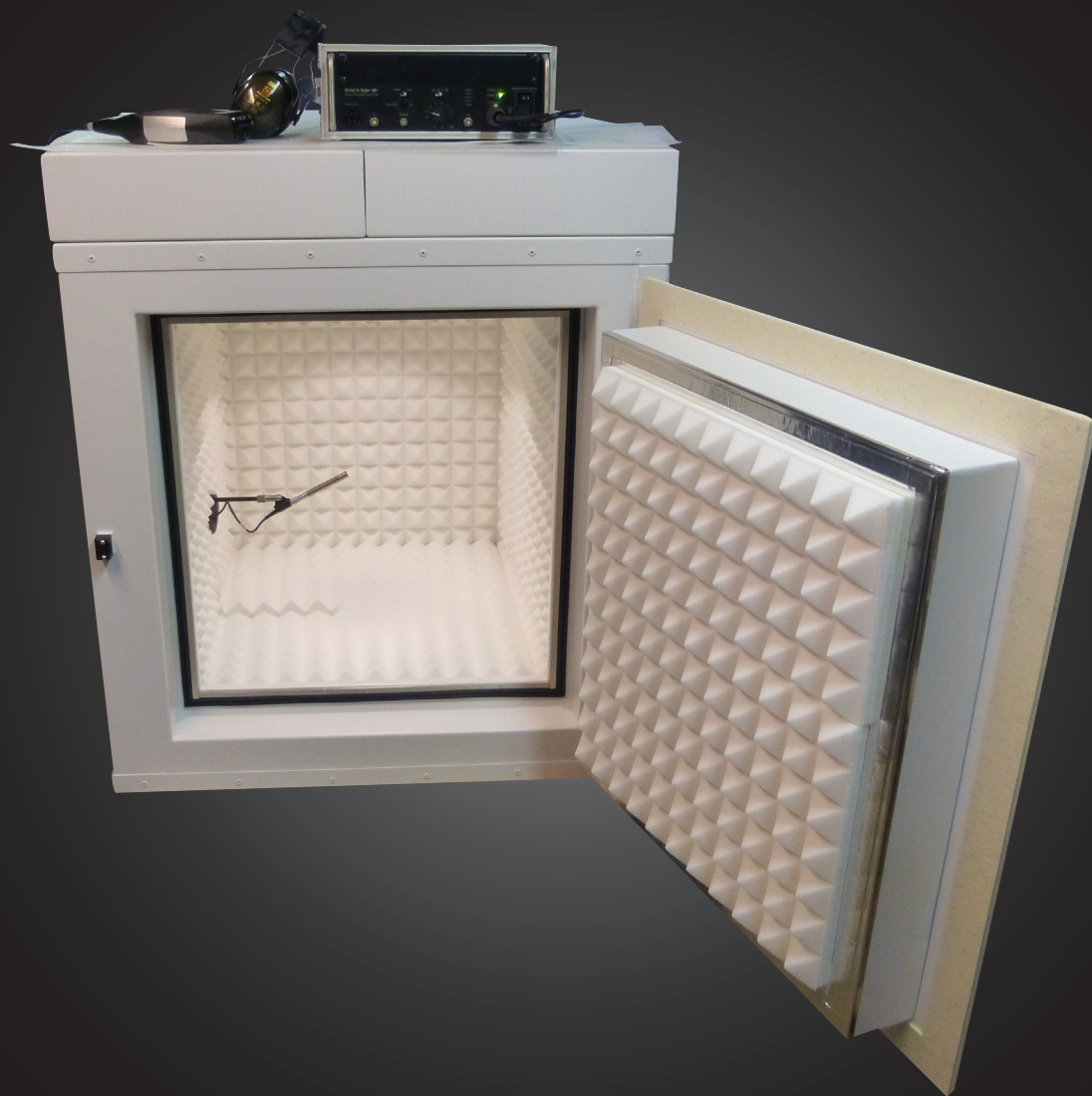


MAC Series

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/m²

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

