

AX2 High Performance Super Booth

AX2 Diagnostic booths provide the correct acoustic environment for effective, accurate testing. The Booths are an all steel modular system that is erected on site. Careful attention is taken to ensure the correct "open area" necessary for effective sound absorption. Specially manufactured panels house various material that firstly reduce external ambient noise form entering the booth as well as high density acoustic wool that absorbs the internal generated sound i.e. speech & tones generated by the free field system during testing.

The whole booth is mounted on rubber skids that ensure a reduction in external vibrations. Forced air ventilation is supplied through two acoustic silencer modules ensuring fresh air is continuously supplied inside the booth.

Flush mounted jack panels are provided & comprising 16 individually wired jack sockets. An electrical distribution box houses all controls for the lighting, ventilation fans & magnetic door locking system.

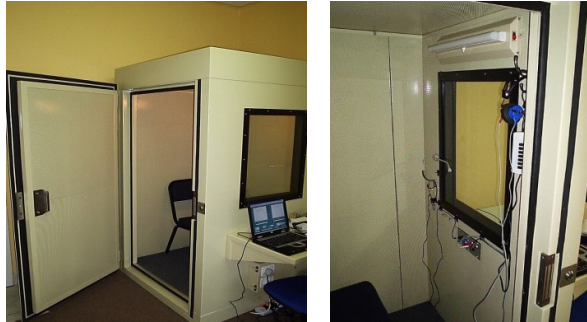
Double glazed safety glass windows are mounted in an anodized aluminum frame fitted with foam cushions to ensure sound integrity.

CONSTRUCTION: The walls are 100mm thick panels, which consist of 2mm mild steel plates on the exterior and perforated interior surfaces. Panels filled with high density acoustic wool material and a 50mm layer of acoustic cement.

INSTALLATION: Booth is delivered in modular panels and the booth is assembled on site. The construction of the booth allows for the booth to be disassembled and move if required.

DOOR: One clear opening full size door with wheel chair access. Noise tight door supported on dual heavy duty architectural butt hinges integrally mounted external to the door leaf and panel frame. Door is kept closed by means of electronic magnets latches and compression seals. The electronic magnets latches can be released from the inside and outside of the booth.

ELECTRICAL: An electrical control box is mounted on the side of the booth. This box contains the controls switches for the fans, electronic door latches and the booth's lighting. All electrical fittings in the booths are protected with certified trip switches, which are housed in the lockable electrical control box. All wiring is housed in PVC trunking.



FINISH: There are two external finishes available:
 1) Wood veneer cladding finish exterior (using melamine boards).
 2) Ivory textured polyurethane enamel exterior.
 The interior is Ivory textured polyurethane enamel.

WINDOW: One double glazed unit. Each pane comprises 6.0mm thick safety glass fitted into an anodized aluminum frame.

VENTILATION SYSTEM: The air supply fans are nested within an attenuated maze housed within external blowers mount on the side or roof of the booth, giving a forced, continuous controlled air supply.

FLOOR: Covered with carpeting.

SHELF: Outside mounted shelf below the widow for audiometer and accessories.

LIGHTING: 60 watt incandescent strip light is provided.

JACK PANELS: Flush mounted comprising, sixteen completely wired jack sockets.

5 YEAR WARRANTY

DIMENSIONS: External 1200mm deep X 1200mm wide X 2400mm high
 Internal 1000mm deep X 1000mm wide X 2000mm high Weight: +- 850kg
Dimensions can be customised to meet any needs

Superior noise reduction characteristics according to SANS 10182

ATTENUATION: Noise reduction is defined as the measured difference between the sound pressure levels outside the booth and inside the booth.

| Frequency | Hz | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
|--------------------|----|------|------|------|------|------|------|------|
| Noise reduction in | dB | 27.8 | 27.8 | 34.3 | 45.5 | 53.3 | 59.1 | 58.0 |

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Amtronix PTY LIMITED
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Made in



Tel: 0861 Amtronix 26876649

+27 11 894 4632

Fax: +27 11 894 4629

info@amtronix.co.za

www.amtronix.co.za

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