



## Product Selection Guide

Speirs Robertson are manufacturers of vibration isolation platforms, tables, laboratory furniture and acoustic cabinets.

## Key advantages

- Creates the best environment for scientific instruments, reducing costs by speeding up measurements and improving accuracy
- Instrument manufacturers and industry regulations require products to be placed in environments where they function properly
- Choice of surfaces suitable for differing environments, such as laboratories, clean rooms, medical and biohazard areas
- Competitively priced, flat packed and easy to install with no maintenance required

## How to select products

### Selection procedure for isolation products

Product category>Isolation level>Load capacity>Surface>Size

- 1. Product Category** Decide if you are looking for performance benching, single tables or platforms.
- 2. Isolation level.** Next decide on what level of isolation from vibrations you require.
  - a) Basic level** If floor vibrations are low and you are using basic laboratory instruments such as **general purpose balances or microscopes**, then performance benching or tables are a good option and provide a robust surface on which to work.
  - b) Research level.** If you are using sensitive instruments such as **microbalances or research microscopes**, then you probably need more sophisticated vibration isolation as achieved using Sorbothane isolators. Platforms should be placed on Performance benching.
  - c) Performance level.** If you are using high performance instruments such as **5 place microbalances, confocal microscopes or ultramicrotomes** then you should use isolation products with damped rolling diaphragm air isolators, which give very high levels of isolation. Air platforms are available in two versions: Active, which require a supply of compressed air and automatically adjust to load or Passive which are pumped up and left alone. Air platforms should be placed on performance benching.
- 3. Load capacity** Once you have decided on the level of isolation performance you require, you need to check the weight to be placed onto the products and select products accordingly. We offer products with differing levels of load capacity. You should choose the version with maximum load closest to the expected load. For simplicity we sometimes refer to a capacity of 25kgs as Balance types, to 75kgs as Microscope types and 200kgs as Instrument types, which also includes all basic level tables and benching
- 4. Surface type.** You next need to select the worktop type. This will most likely depend on the environment. We offer Pharma stainless, Trespa and Epoxy (we also offer 316 bright polished stainless as an option). For cleanrooms stainless is generally recommended, as well as for food and biohazard areas. Trespa is good for general laboratory use.
- 5. Size.** You next need to decide on the length and width you require. We offer a wide range of choices to suit most applications. For tables you can choose a working height of 750 or 900mm, 750 is standard and for 900 add -900 to the code at the end

**Accessories.** We provide a wide range of accessories for use with the above products. These include compressors, shelves, under bench cabinets, monitor stands, arm rest bars, keyboard shelves, arm rests, acoustic hoods and draft shields

We also offer contoured microscope platforms (which are profiled to suit these instruments), isolation area tables (which have an isolation area for instruments built into the worktop) and stainless workstations which have an M6x25mm hole pattern across the top surface

## Selection procedure for benching products

Benching is supplied as modular sections which connect together, there is a choice of section lengths and under bench cabinets or shelves which can be added as required. The benching connects at right angles where there are corners. The standard width is 750mm and working height 900mm with a white Trespa top slab worktop. You should measure the length required and check which arrangement of units best suits your needs. This benching provides a performance level base for isolation platforms for sensitive instruments and gives great flexibility in their positioning in the working environment



AMC-1 Platform

### Acoustic hoods and draft shield

Isolation platforms only remove vibrations coming from the surface an instrument rests on and if there are drafts or high levels of noise it is important to shield the instrument on its isolating platform from these as well. We offer a wide range of acoustic shields to isolate balances, microscopes and other sensitive equipment from airborne disturbances. These are placed on our performance benches, tables or active area tables over the instrument on an isolation platform.

### Product Listings

Products are defined by category heading (such as AMS, AMD-SB) followed by size (Length x Width in cm s) and surface (where choice) (such as as AMF-60x60-SS). Frames for isolation tables give a working height of 750mm, if 900mm is required add -900 to the order code (eg AMD-SB-75x75-900). Benching is always 900mm height



AMD-75x75 TR

## PLATFORMS

### Air isolation platforms

**AMF Epoxy Active Air (100kg)** AMF-60x60;AMF-75x75;AMF-90x75;AMF-120x75

**AMF Stainless Active Air (100kg)** AMF-60x60-SS;AMF-75x75-SS;AMF-90x75-SS;AMF-120x75-SS

**AMP Epoxy Passive Air (100kg)** AMP-60x60;AMP-75x75;AMP-90x75;AMP-120x75

**AMP Stainless Passive Air (100kg)** AMP-60x60-SS;AMP-75x75-SS;AMP-90x75-SS;AMP-120x75-SS

**AMFH Workstation Active Air (100kg)** AMFH-60x60;AMFH-75x75;AMFH-90x75;AMFH-120x75

**AMF-LX Stainless Balance Active Air (100kg)** AMF-40x50-LX;AMF--60x60-LX

**AMB Stainless Passive Balance Air (100kg)** AMB-30x45;AMB-40x50;AMB-60x60

### Sorbothane isolation platforms

**AMS Stainless Balance (25kg)** AMS-30x45;AMS-40x50;AMS-60x60

**AMSM Stainless Microscope (75kg)** AMSM-75x75;AMSM-90x75;AMSM-120x75

**AMSR Stainless Instrument (200kg)** AMSR-75x75;AMSR-90x75;AMSR-120x75

### Contoured Microscope Platforms

AMC-1 Electroless Nickel Passive Air (75kg); AMC-3 Epoxy Passive Air (75kg); AMC-7 Epoxy Sorbothane

### High Load Platforms

**AMCU Stainless Heavy Instrument (1000kg)** AMCU-75x75; AMCU-90x75;AMCU-90x90

## TABLES

### Air isolation tables stainless

**AMD-MF Microscope Active Air (100kg)** AMD-MF-75x75;AMD-MF-90x75;AMD-MF-120x75

**AMD-MP Microscope Passive Air(100kg)** AMD-MP-75x75;AMD-MP-90x75;AMD-MP-120x75

**AMD-FH Microscope Workstation (100kg)** AMD-FH-75x75;AMD-FH-90x75;AMD-FH-120x75

### Air isolation area tables

**AMD-MA Epoxy Microscope Active Air (100kg)** AMD-MA-75x75;AMD-MA-90x75;AMD-MA-120x75

**AMD-AS Stainless Balance Passive Air (100kg)** AMD-AS-75x75;AMD-AS-90x75

**AMD-AS-TR Trespa Balance Passive Air (100kg)** AMD-AS-75x75-TR;AMD-AS-90x75-TR

### Sorbothane isolation tables

**AMD-SB Stainless Balance (25kg)** AMD-SB-75x75;AMD-SB-90x75;AMD-SB-120x75

**AMD-SB Trespa Balance (25kg)** AMD-SB-75x75-TR;AMD-SB-90x75-TR;AMD-SB-120x75-TR

**AMD-SM Stainless Microscope (75kg)** AMD-SM-75x75;AMD-SM-90x75;AMD-SM-120x75

**AMD-SM-TR Trespa Microscope (75kg)** AMD-SM-75x75-TR;AMD-SM-90x75-TR;AMD-SM-120x75-TR

**AMD-SR Stainless Instrument (200kg)** AMD-SR-75x75;AMD-SR-90x75;AMD-SR-120x75

**AMD-SR-TR Trespa Instrument(200kg)** AMD-SR-75x75-TR;AMD-SR-90x75-TR;AMD-SR-120x75-TR

### Sorbothane isolation area tables

**AMD-SS Stainless Balance (25kg)** AMD-SS-75x75;AMD-SS-90x75

**AMD-SS-TR Trespa Balance (25kg)** AMD-SS-75x75-TR;AMD-SS-90x75-TR

### Performance tables

**AMTS Stainless Performance (200kg)** AMTS-75x75;AMTS-90x75;AMTS-120x75

**AMTR Trespa Performance (200kg)** AMTR-75x75;AMTR-90x75;AMTR-120x75

### Table options

**F01-S3 Stainless Frame** F01-75x75-S3;F02-90x75-S3;F02-120x75-S3

**F02 Frame Shelf** F02-75x75;F02-90x75;F02-120x75

**F03 Platform Guards** F03-75; F03-90; F03-120

**F06 Retractable castor feet**

**F08 Arm Rest** F08-75;F08-90;F08-120

**F10 Monitor support arm**

**F19 Keyboard shelf**

### Compressors

**C01 Silent Compressor**

**C03 Mini Compressor**



AMF-40x50-L Platform



AMB-30x45 Platform



AMS-30x45 Platform



AMD-FH-90x75 Table



AMD-SB-90x75-900 Table

## LABORATORY BENCHING

### Performance benching

**AMTR-LB Trespa Bench Starter (200kg)** AMTR-75x75-LB;AMTR-90x75-LB;AMTR-120x75-LB

**AMTR-LBE Trespa Bench Extension(200kg)** AMTR-75x75-LBE;AMTR-90x75-LBE;AMTR-120x75-LBE

### Under bench cabinets

**AMCB Single Full Height Single Door (200kg)** AMCB-550

**AMCB Single Full Height Two Door (200kg)** AMCB-650; AMCB-800

**AMCD Single with Single Drawer (200kg/25kg)** AMCD-550

**AMCD Double with Two Drawers (200kg/25kgx2)** AMCD-650; AMCD-800

**AMCE Four Drawer (25kgx4)** AMCE-550

### Bench Options

**F02-LB Shelves** F02-75x75-LB;F02-90x75-LB;F02-120x75-LB

**F51 Storage tray rack with 12 trays for AMCB-800**

### Heavy duty benching

**AMTR-LX Trespa (400kg)** AMTR-75x75-LX;AMTR-90x75-LX;AMTR-120x75-LX

## ACOUSTIC HOODS AND DRAFT SHIELDS

### Balance draft shields

**ALSB Balance Draft Shield (LxWxH)** ALSB-46x46x46;ALSB-46x46x60;ALSB-46x60x46

### Acoustic Hoods

**ALSC Acoustic Hoods (LxWxH)** ALSC-75x75x60; ALSC-90x75x60; ALSC-120x75x60



Under bench cabinets



AMTR-LX Benches



AMCD-800 Cabinet



ALSB Balance shield

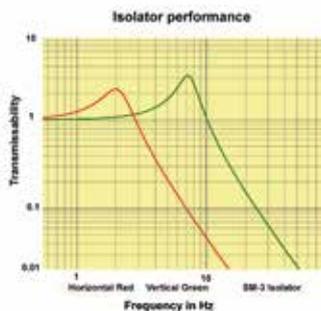


ALSC-90x75



AMTR-LB Benching with AMB-60x60

Sorbothane Isolation Curve



Air Isolation Curve

