

Northern Office:
4b Eagle Park
Eagle Park Drive
Warrington. WA2 8JA
t: 01925 582899
f: 01925 582898

Southern Office:
Dugard House
Peartree Road
Colchester. CO3 0UL
t: 01206 216690
f: 01206 577954

e: info@cmsantivibration.co.uk
www.cmsantivibration.co.uk

CMS ISODesk

Isolation Tables

ISO-PSR Series
ISO-PSP Series
ISO-PSH Series
ISO-PSA Series

Working practices are changing rapidly with the onset of new technology. Working environments are changing too. Space is precious. The comfort, safety and well-being of highly skilled workers is paramount.

This is why CMS have developed the ISODesk, a progressive new concept in workplace furniture.

ISODesk is a modular system designed to provide an ergonomic alternative to conventional workstations and meet the requirements of the modern production and clean room environments in the Telecommunications, Research & Development and Biotechnology fields.

Five standard work-surface sizes are available, all at a standard desk height of 765mm (30.6 in).

The lightweight all aluminium construction features heavy duty castors for ease of movement and all shelving and accessories are ESD compliant.

The ability to choose between active, passive or rigid vibration isolation systems and the choice of three ranges of breadboards with nominal or enhanced damping further increases the flexibility of the system.



Features

- Range of Adaptable Accessories to Personalise the Working Area.
- Faraday Enclosure Accessory Reduces Thermal Variations and Electromagnetic Interference.
- Optimization of Available Space
- Full or Partial Damping to Eliminate or Reduce the Effects of Vibration.
- Effective Cable Management.
- Clear Lines of Sight and Communication.
- Maximum Comfort and Legroom.
- Minimal Eye and Muscle Strain.
- ESD Safe Design.

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Breadboards, which provide the working surface for the ISODesk, are sold separately. All Breadboards come with either metric (M6 on 25mm centres) or imperial (1/4-20 on 1in. centres) mounting hole patterns. Standard breadboard thickness is 60mm but 55mm and 110mm thick breadboards are also available.

Three breadboard types are available:

Performance – with high quality magnetic stainless steel top and bottom surfaces, this breadboard offers high performance at an economical price. A steel core and internal damping provide both static and dynamic rigidity.

Performance Plus – Designed specifically for Laboratory use, this breadboard combines all the features of the performance product with enhanced damping, increased rigidity and sealed mounting holes.

Ultralight – this lighter weight, fully non magnetic, aluminium breadboard provides a high strength to weight ratio and excellent thermal stability.

The following accessories are designed to aid in your daily work:

- Adjustable Wrist Rest (CMSPSX100)
- Grounding Kit (CMSPSX105)
- Flat Panel Monitor Support (CMSPSX120)
- Keyboard Holder -shelf mounting (CMSPSX130)
- Keyboard Holder – frame mounting (CMSPSX131)
- Ergonomic Chair (CMSPSX170)

A selection of shelving options are available to fit the size of ISODesk you need:

- 600mm Side Shelf (CMSPSX352)
- CPU Shelf (CMSPSX180)
- Single Shelf (CMSPSX190)
- Overhead shelf (rear) 750mm wide (CMSPSX200)
- 900mm wide (CMSPSX201)
- 1200mm wide (CMSPSX202)
- Overhead shelf (side) 750mm wide (CMSPSX203)
- 900mm wide (CMSPSX204)
- Undershelf 750mm wide (CMSPSX300)
- 900mm wide (CMSPSX301)
- 1200mm wide (CMSPSX302)

ISODesk Ranges & Sizes

| <u>Model</u> | <u>Vibration Isolation</u> |
|--------------|----------------------------|
| CMS-PSR | Rigid |
| CMS-PSP | Passive |
| CMS-PSH | Passive HD |
| CMS-PSA | Active |

| <u>Model No.</u> | <u>Frame Sizes mm (ft)</u> |
|------------------|----------------------------|
| 502 | 750 x 750 (2.5 x 2.5) |
| 503 | 750 x 900 (2.5 x 3) |
| 504 | 750 x 1200 (2.5 x 4) |
| 505 | 900 x 900 (3 x 3) |
| 506 | 900 x 1200 (3 x 4) |
| 501 | 600 x 900 (2 x 3)* |

* not available for rigid or active systems.

ISODesk Specifications

Load Capacity:

- Rigid: 700Kg (1545lbs)
- Passive: 45-180Kg (100-400lbs)
- Passive HD: 135-540Kg (300-900lbs)
- Active: 700Kg (1545lbs)

Vibration Isolation:

Resonant Frequency

- Passive: Vertical <3.5Hz, Horizontal <3.5Hz
- Active: Vertical <1.6Hz, Horizontal <1.2Hz

Transmitability at Resonance

- Passive: Vertical <9, Horizontal <9
- Active: Vertical <6, Horizontal <4

Transmitability at 10Hz

- Passive: Vertical <0.2, Horizontal <0.2
- Active: Vertical <0.03, Horizontal <0.03

Height Adjustment Range (Levelling Feet)

- All types +/- 20mm (0.8in.)

