Technical Data sheet

ESD Triple-layer Laminar Flow Workbench

◆ Product Description

The ESD three-layer laminar flow workbench is specifically designed for work scenarios that require cleanliness and anti-static performance.,through its three-layer structural design, it meets the operational needs of multi-station or multi-process operations, ensuring a stable and reliable working environment.

- Class 100 Cleanliness and Stable Air Flow
- Extreme Stability and Quiet Operation
- Comprehensive Anti-static Protection
- Modular Robust Structure
- Intelligent Efficiency, Energy Conservation and Environmental Protection

◆ Typical Product Data and Physical Properties

Main Materials: A6063-T5 Aluminum Profiles + Anti-static Panels
Overall Dimensions: L500 x W900 x H2100 mm
Aluminum Profile Thickness: 1.5 mm
Anti-static Performance: ≤10E9 Ω
Load-bearing Capacity: ≥120 kg
Tensile Strength: 145.0 - 185.0 MPa
International Standard: European Standard

◆ Product Structure

- The ESD three-layer laminar flow workbench features a three-layer structure, with a frame made of 1.5mm-thick A6063-T5 aluminum profiles, and is equipped with DC FFUs (Fan Filter Units) as well as anti-static tabletops with PVC edge banding on all four sides. It achieves silent operation without vibration through FFU vibration damping, enhanced frame vibration resistance, and sound absorption design; the FFUs at the top are equipped with plenum chambers to ensure uniform air flow.

Availability:

Item#	Dimensions	Number Of Layers
1.4.01.04.0010	L500xW900xH2100MM	Triple-layer Laminar Flow

◆ Typical Applications

- The ESD three-layer laminar flow workbench is applied in scenarios such as electronic semiconductor chip packaging, medical precision minimally invasive device assembly, and optical component production, and is compatible with the requirements of cleanliness, anti-static performance, and silent, vibration-free operation.

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data for reference only.