



MicroTech Collection Clean Room Seating Features

The BioFit MicroTech Collection includes a variety of models and performance packages for clean rooms rated from ISO 8 to ISO 3. Precision designed and tested components and the assembly processes outlined below combine to meet ISO 14644-1 cleanliness requirements.

ISO 3 Seating Most MicroTech ISO 3 models feature BioFit's exclusive under-seat airflow-exchange system. The system includes an air reservoir encased in a protective pan attached to the seat (Figure 1). When a user sits in the chair, the air in the seat cushion discharges into the reservoir and does not escape into the surrounding clean room environment. Component assembly, wipe down and packaging takes place under a laminar flow clean hood (Figure 2). Final assembly is handled by the customer in a clean setting.

ISO 4 Seating BioFit ISO 4 seating is highlighted by the proprietary under-seat airflow-exchange system used in our ISO 3 seating. To assure clean room compatibility at the ISO 4 level, these models are also pre-assembled, cleaned and packaged under a laminar flow clean hood (Figure 3), with the customer conducting final assembly.

ISO 5 Seating Constructed much like higher classes of MicroTech Collection seating, ISO 5 models feature an in-seat filtration system (Figure 4). The system traps particulates while allowing the seat to conform to the user's body shape. The filter allows unrestricted airflow with a filter permeability of 230 cfm/ft². The polypropylene filter media trap particles 0.1 microns and larger.

ISO 6 Seating This class of seating does not feature a seat filter or air exchange system, and seats and backrests are not sealed. Upholstered models use the same upholstery as ISO 5 models and the same filter media used in ISO 5 models covers the exhaust ports. Upholstered models also include a vinyl wrap under the seat that matches the rest of the upholstery. This under-wrap covers the baseboard and exhaust ports of the seat and serves as a rough filter.

ISO 7 & 8 Seating Models in the premier MVMT® line (Figure 5) are available in ISO 3 through ISO 8 configurations, as are many models in the BioFit Foundation line, providing classifications previously not offered by BioFit. The Fin sit-stand from the bimos by BioFit collection is also rated for ISO 7 workspaces.

Utility Clean Room Seating BioFit offers hard-surfaced chairs and stools rated for ISO 4, 5 and 6 environments.



Contact us or your BioFit representative today for more information, a demonstration or to request sample seating for your facility.



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