BIOFIT®

Dedicated to Design.
Committed to Quality.

# High-tech chairs that do everything. Except compromise.

Uncompromising quality and performance

Unexpected versatility and value

Numerous critical enviroment solutions

One engineered especially for your environment

## High-tech Ergonomic MicroTech™ Seating Collection

BioFit Engineered Products is very involved in ergonomic comfort. We've developed ways of keeping people comfortable while they sit all day – even in clean room and static control operations. Microtech Seating in this catalog covers all classes of clean rooms, static control operations and combination environments.

### Modular construction

Backrests, seats, armrests, bases, cylinders and many kinds of options can be exchanged on virtually every BioFit model.
This means that BioFit chairs can be customized to fit the worker and the task, even months or years after they have been put into service. Easy interchangeability of parts also allows you to upgrade seating as the science of ergonomics is refined.
At a workplace, modification of a seat-height range is the change most often requested. You can easily retrofit the seat-height range in the workplace by changing the pneumatic cylinder and/or chair base. This retains the use of the chair at the job site with only minutes of downtime.

### Lumbar support

A standard feature on BioFit chairs is a lumbar support in the backrest. It prevents the spine from flattening into an unhealthy posture.

### Chrome plating

Chrome plating is considered the most desirable finish for most high-tech environments. BioFit's chrome plating is a point of pride for the company. The chrome plating is diligently inspected and found flawless before it can leave the factory. It will not crack or peel.

### Soft Touch pneumatic

A standard feature on most BioFit seating is the Soft Touch pneumatic seat-height adjustment mechanism, warranted for the life of the chair. It provides easy adjustment of seat height from a seated position.

### Foam

Molded foam gives BioFit seating superior density and durability. The foam's skin keeps it from breaking down should the upholstery become torn or cut.

### Bumper guards

Internal bumper guards on the seat and external bumper guards on the backrest help guard against upholstery wear and tear, which could compromise the chair's performance.

### Innovations

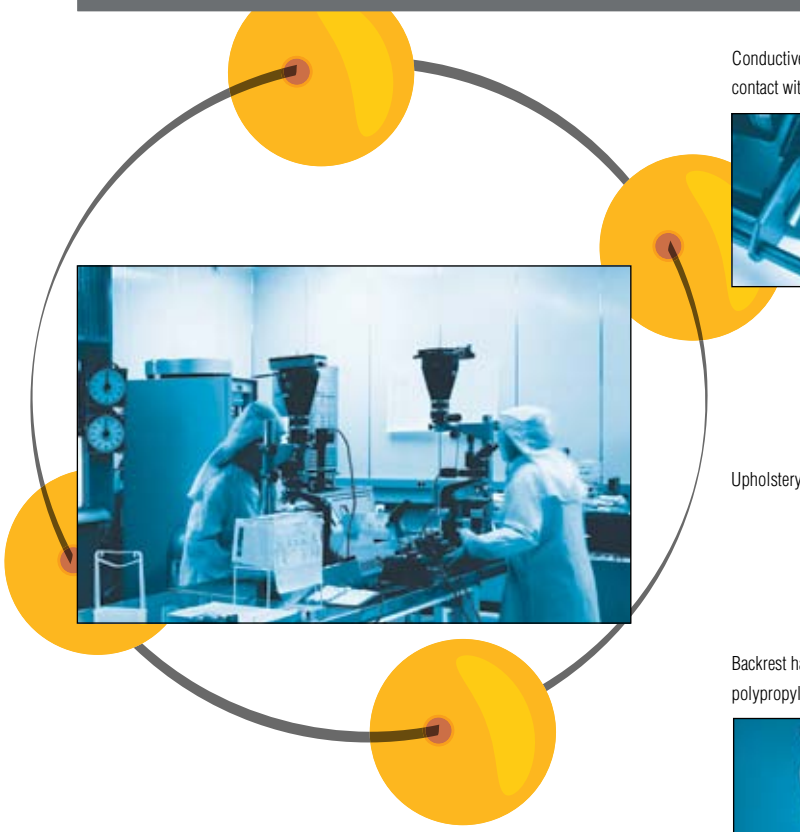
We continually refine what we do. Our engineers have invented filters and air exchange systems to keep chairs from contributing to clean room particle counts. We pioneered the use of static dissipative upholstery for clean room use. As our greatest achievement we offer a range of Class 1 seating. We are committed to serving high-tech industries and their people. It's a commitment you can count on.

## ESD seating that stops static in its tracks.

Manufacturers who depend on keeping static grounded can take comfort that BioFit for Technology products are always up to the job. Whether the focus is on electronics, computer circuitry, components for automotive cockpits or beyond, our ESD control chairs deliver the dependable performance you need at the value you want. Here are a few of the industries you'll find BioFit ESD seating at work:

**Operating room supply / Communications / Appliance manufacturing / Fiber optics**
**Munitions / Gaming / Automotive / Computer software/hardware / Electronics Assembly**

## Static Path of BioFit Dissipative and Conductive Chairs



Conductive covering on seat bottom makes contact with metal support frame.

Upholstery is qualified and tested for ESD use.

Backrest has electrically conductive .125 inch polypropylene rear panel.

Carbon impregnated interior strip provides continuity of electrical conductance.



Back panel is made of plastic impregnated conductive material.



Optional arms are grounded through the arm bracket.

All metal support bracket provides for conductive continuity.

Base is five-legged and either chrome-plated tubular steel or polished cast aluminum.

Drag chain is provided for assured continuity.

Spring-loaded contact ball bearing assembly assures continuity throughout the chair.

Chair has conductive glides or casters.

## BioFit Static Control Products

BioFit static control chairs and stools can be either conductive or dissipative, depending on the upholstery chosen. There is a wide variety to choose from in static control products and seating including ergonomic chairs, office chairs, task chairs, laboratory chairs, stools, and footrests.

To assure continuity in its chairs, BioFit goes beyond the basics. Virtually every part of a BioFit static control chair is grounded to the base. Additionally, every chair has a drag chain and conductive glides or casters. The reason? Dirt is an insulator and can disrupt continuity. BioFit provides an extra path to ground in case of dirt build-up on any single path.

A spring-loaded contact ball bearing assembly in the pneumatic seat-height adjustment mechanism is unique to BioFit. This ball bearing rides against the inner cylinder of the pneumatic seat-height adjustment and provides a path to ground from the top of the backrest and seat through the pneumatic cylinder to the base.

BioFit's representatives and dealers are available to help determine the type of seating and the various options needed in a specific facility.

### Options for Static Control Seating

Performance options enhance the effectiveness of static control seating. Here are some options it may be important to consider:

- An armrest upholstered with dissipative or conductive material will assure continuity in static control settings. The chair arms are grounded to the bottom of the chair through the arm bracket. This is an important consideration if a worker leaves his/her workstation and the charged chair accidentally turns so that the arms and backrest are near the work surface. Static can easily disrupt work on the work surface.

Ergomomic options should be considered to enhance employee performance. Minimal ergonomic features of lumbar support and a pneumatic seat-height adjustment mechanism are standard on BioFit chairs. Other options are detailed with each chair line description. Here are some options it may be important to consider:

- An adjustable upholstered armrest is available as an ergonomic option.
- Various types of ergonomic backrests, seats and seat controls can enhance employee performance by providing proper support and comfort.
- Footrings can relieve pressure from behind the knee and improve circulation to the lower legs and feet. An adjustable 20" diameter footring (ATF) is another ergonomic option to consider.

### Casters/glides Recommendations

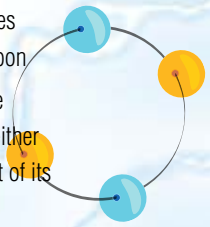
Carbon-impregnated casters are standard on most models of static control seating. Also available are the LKRO, LKRU, and STR casters. The LKRO caster is a dual-wheel soft caster that locks when the seat is occupied. The LKRU caster is a dual-wheel soft caster that resists movement when the seat is not occupied. The STR caster is a conductive caster with a polyurethane wheel. This caster is appropriate for clean room chairs that also must function as static control chairs.

### Upholstery Fabrics

BioFit offers a variety of ESD fabrics that are qualified and tested as dissipating static. Fabrics such as wool or nylon are woven with carbon-impregnated yarn or woven stainless steel strands. Vinyl upholsteries either have a carbon layer beneath the surface of the vinyl or are carbon loaded at the surface.

### Combination Seating

Some engineers prefer ESD seating with a clean room option. Some engineers want clean room seating with an ESD option. Seating by either name is what BioFit calls combination seating. BioFit offers the best of its seating lines in combination seating.



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