A family of superlative ergonomic seating.

SOPHISTICATED ERGONOMICS, CLASSIC ITALIAN DESIGN.

A family of superlative ergonomic seating.
Slouching or Perching
Backrest angle adjustment fine tunes the back support to your personal habits.

COMPLETE BACK SUPPORT
Thoracic and sacral cradles merge into a very pronounced lumbar crest.

Intuitive Lumbar Support
Finger tip lever locks where you put it. No other chair adjusts 6”.

Neck & Shoulder Relief
4” of height adjustment, 4” of width adjustment and optional rotation and depth adjustment customizes elbow support to your unique size.

PressureCast™ Cushions
Using a special formulation and cast under high pressure, PressureCast™ foam is incredibly resilient for comfort, yet high density for longevity.

The Perfect Height
Seat heights for any size individual. Five different seat heights, ranging between 15” and 34”, ensure a perfect fit for everyone at every workstation.

Relaxing Motion
Synchronized control that allows your body to open as you recline. Rocking ease and rate of recline are adjusted by easy-turn dial.

Better Mobility
Oversized, 60 mm casters roll easily through plush carpet. Riveted for life-long durability. The standard aluminum base is cast as a single piece with no welds to break. A convenient foot perch is built-in to each base prong.

The ALPHA FAMILY

MEDIUM HIGH BACK
163 (Shown with 1A Arms)
Small scale ergonomics. Careful thought and design was put into designing a chair specifically for those on the petite side of the spectrum.

SUPER ALPHA
173 (Shown with 1A Arms)
The standard above all standards. Designed to fit the masses, from 5’3” to 6’5” and beyond, this chair has your back.

SUPER ALPHA W/ HEADREST
173 HR (Shown with HR and 1A Arms)
This Super Alpha includes a height adjustable, dual-hinge, headrest. Designed to be adjusted in virtually any usable position or can be flipped out of the way when it is not desired.

MID BACK
161 (Shown with 1A Arms)
Essential support and comfort. The perfect multi-task / multi-user seating solution.

MEDIUM & TALL STOOLS
165 & 164 (Shown with 1A Arms)
For laboratory or counter height tasks. Two stool kits: medium and tall heights, both include a height adjustable footresting.

PIANO STOOL
167 (Shown w/ Foot Actuated Control)
Comfort in confined spaces. Height adjustment by hand lever or foot-actuated option for dedicated tasks. Footring optionally available.

ALPHA FEATURES

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**Sitmatic Alpha Cleanroom & ESD Seating**

**Cleanrooms**
The primary concern in most cleanrooms is airborne particulates. Size of particulates is measured in microns (one micron equals 1/1000 millimeter). Airborne particulates of 5 microns or larger are typically used for measurement of air purity in cleanrooms. In cleanrooms, particulates are produced by anything from abrasion of the flooring surface, to humans, clothing products, or furniture.

**Alpha Cleanroom Seating**
Sitmatic Alpha cleanroom chairs are upholstered in Durahyde® vinyl. The seat and backrest cushions are upholstered and sealed with flowable silicon sealant for an air-tight seam. HEPA (High Efficiency Particulate Air) filters are installed over the ventilation exit areas, scrubbing the air that is forced out of the cushions. These filters are 99.97% efficient at 0.3 microns. With this filtration, Sitmatic Alpha chairs and stools meet and exceed the standards for Class 1 Cleanrooms.

**Static Control**
In many cleanrooms and production environments, the elimination of static electricity is a critical issue. Production yields and equipment integrity are at risk if static electricity is present. Under certain circumstances, the human body can store up to 35,000 volts of low amperage static electricity. If an individual with this static load were to touch a microchip or sensitive piece of testing equipment, the item would be destroyed by the electrostatic discharge. The microcircuitry industry is dedicated to static electrical control in production and testing environments.

**Alpha ESD (Electrostatic Dissipative) Seating**
Sitmatic Alpha ESD chairs are upholstered in special fabric or vinyl that is infused with conductive materials. Copper tape is installed in the backrest and seat to transmit electrical current from the cushions to the steel components. Current then passes through the pneumatic piston, into the microcircuitry and out onto the floor.

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**Model 164ST AN CR AB 1A / 8**

Electrostatic Control Specifications:
10⁸ Ohms/cm² Resistivity.
Particulate Specifications: HEPA Filtration Efficiency 99.97% @ 0.3 Microns.

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**Static Control Specifications:**
These are the basic classifications of cleanrooms: Class 10,000, Class 100, Class 10 & Class 1.

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class 10,000</td>
<td>These cleanrooms have products and furniture which produce 10,000 or less, 5 microns or larger airborne particulates through a particular test cycle.</td>
</tr>
<tr>
<td>Class 100</td>
<td>Produce 100 or less, 5 microns or larger airborne particulates using the same testing procedures.</td>
</tr>
<tr>
<td>Class 10</td>
<td>Produce 1 or less, 5 microns or larger airborne particulates using the same testing procedures.</td>
</tr>
<tr>
<td>Class 1</td>
<td>Product 1 or less, 5 microns or larger airborne particulates using the same testing procedures.</td>
</tr>
</tbody>
</table>

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**Particulate Air Specifications:**
Efficiency 99.97% @ 0.3 Microns.

- **Particulate Specifications:**
  - HEPA Filtration
  - 10⁸ Ohms/cm² Resistivity.

**Electrostatic Control Specifications:**
These are the three ranges of resistivity used in describing ESD control:
- Anti-Static: Electrical resistance of 10¹⁰ to 10¹⁵ ohms (10,000,000,000 to 1,000,000,000,000)
- Static Dissipative: Electrical resistance of 10⁵ to 10⁹ ohms
- Conductive: Electrical resistance of less than 10⁵ ohms

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**Cleanrooms**
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### BACKREST OPTIONS
- AL: Inflatable Air Lumbar
- TB: Inflatable Thoracic Bolster
- UB: Upright Backrest
- EB: Extended Back Upgrade

**Height & Angle Adjustable Headrest**
Available on 163 & 173 models only.

**Upholstered Backrest Shell**
Not available in vinyl or leather.
Requires 1 yd. COM.

**Extended Back Upgrade**
Upgrades to the next backrest size up.
Available for 163, 164 & 165 only.

### SEAT SIZES & SHAPES
- ES: Extended Seat Upgrade
  - 23" wide x 19" deep
  - Standard on 173 models.
- LS: Longer Seat
  - 2" deeper than standard.
- PS: Petite Seat
  - 16" wide x 16" deep
- SH: Shallower Seat
  - Shallower than standard.
  - SH20: (2" shallower), SH25: (2½" shallower), SH30: (3" shallower).

**Seat Slider**
Seat depth adjuster; 2½" range.
Standard on SX control.

### SEAT ADD-ONS
- VS: Memory Foam Seat
  - 1" memory foam seat topper.
- TS: Tailbone Seat Cut-Out
  - Coccyx relief; includes VS option.
- WS: Whole Seat
  - 20½" wide x 14½" deep

**Leg Rest**
Stows away under seat.
Available on seats w/ LS option only.

**Forward Tilt**
Spacers Create Initial Forward Seat Tilt
FT08 (+2.3°), FT12 (+3.4°), FT16 (+4.6°), FT20 (+5.7°).

### SEAT HEIGHT OPTIONS
- NC: Nano Seat Height
  - 14¾" - 17½"
  - -1¾" for ST mechanism, no SS.
- STANDARD:
  - 16¼" - 20¾"
  - -1¾" for ST mechanism, no SS.
- MC: Medium Stool Height
  - 21¾" - 29½"
  - -1¾" for ST mechanism, no SS.
- TC: Tall Stool Height
  - 24¼" - 34½"
  - -1¾" for ST mechanism, no SS.

### ARMREST OPTIONS
- SK: Height, Width & Angle Adjustable Arms
  - Contoured Urethane Caps Standard
  - Specify 1N to disable arm rotation.

**Height Adjustable, Fold-Away Arms**
Boby-Shape Urethane Caps Standard
Height & Width Adjustment.

### ARM CAP OPTIONS
- A: Contoured Urethane Caps
  - Standard on 1A & 1N arms.
- K: Kidney Shaped Urethane Caps
  - Extra Wide, Tapered
  - Not compatible w/ fold-away arms.
- M: Memory Foam Caps
  - Width, Angle & Depth Adjustable
  - Extra Wide, Tapered

### BASE OPTIONS
- AB: Polished Aluminum Base
  - 24" Diameter
  - Standard base is black aluminum.
- NB: Nylon Base
  - 24" Diameter
  - Extended Aluminum Base
  - 28" Diameter
  - Footring
  - Height Adjustable, 20" Diameter
  - Standard on 165 & 164 models.
  - Specify XF for a 24" diameter ring.
- SR: Heavy Duty Standring
  - Height Adjustable, 21" Diameter
  - Available for 165 & 164 models only.
  - Specify XS for a 24" diameter ring.

### CASTER OPTIONS
- PC: Parquet, Hard Floor Casters
  - Soft Outer Tread
- BP: Braking, Hard Floor Casters
  - Anti-Runaway, Locks When Unloaded
- DC: Braking, Urethane Casters
  - Anti-Runaway, Urethane Wheel Unloaded
- GL: Glides
- NL: Nylon Locking Casters
  - Lockable on SX control.

### ALPHA CUSTOM FIT OPTIONS
For more information about custom fit options, please contact customer service at (800) 288-1492.
Exceptional Range of Seating Solutions

Management, Executive and Conference Seating

Highly Ergonomic Seating

Occasional and Stacking Chairs

Auditorium and Public Area Seating

For further information on our comprehensive range of seating please visit our website or call our toll free number. Specifications are subject to change without notice.

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714.888.2500
Fax: 714.888.2505
E-Mail: Info@Sitmatic.com
Website: www.sitmatic.com

Sitmatic seating is covered by our comprehensive lifetime structural warranty. Specifications are subject to change without notice.

Sitmatic seating has passed the stringent testing procedures established by ANSI/BIFMA and CAL 117.

Sitmatic literature is printed on certified recycled paper and paper from well-managed forests and controlled sources.

Our products are certified compliant for LEED-CI indoor environmental air quality. Choosing Sitmatic chairs for your workplace contributes to a cleaner, safer, more sustainable environment.