



SITMATIC®

ALPHA™



SOPHISTICATED ERGONOMICS, CLASSIC ITALIAN DESIGN.

A family of superlative ergonomic seating.

ALPHA FEATURES

Slouching or Perching

Backrest angle adjustment fine tunes the back support to your personal habits.

Intuitive Lumbar Support

Finger tip lever locks where you put it. No other chair adjusts 6".

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.

PressureCast™ Cushions

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

Complete Back Support

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

Neck & Shoulder Relief

4" of height adjustment, 4" of width adjustment and optional rotation and depth adjustment customizes elbow support to your unique size.

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 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 useable 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 footring.



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 TECHNICAL SPECS

CONTROL FUNCTIONS

SX
SynchroExec™

Height adjustable.

6" backrest height adjustment.

Tension adjustable, synchronized rocking, lockable in 5 different positions.

2½" seat depth adjustment.

10" independent back angle adjustment.

ST
SingleTouch™

Height adjustable.

6" backrest height adjustment.

Non-Rocking.
Independent seat & back angle adjustment.

Optionally available.
2½" seat depth adjustment.

OVERALL DIMENSIONS

161
Alpha Mid Back
Seat height for chairs w/ SX control and ST control w/ optional SS.
Reduce height by 1¾" for ST control w/ no SS specified.

163
Alpha Medium High Back
Seat height for chairs w/ SX control and ST control w/ optional SS.
Reduce height by 1¾" for ST control w/ no SS specified.

173
Super Alpha
Seat height for chairs w/ SX control and ST control w/ optional SS.
Reduce height by 1¾" for ST control w/ no SS specified.

165
Medium Stool w/ Height Adjustable Footring
Seat height for chairs w/ SX control and ST control w/ optional SS.
Reduce height by 1¾" for ST control, no SS specified.

164
Tall Stool w/ Height Adjustable Footring
Seat height for chairs w/ SX control and ST control w/ optional SS.
Reduce height by 1¾" for ST control, no SS specified.

167
Piano Stool
(DC) Desk Height, No Footring – (SW) Medium Stool Height w/ Footring
(FA) Foot Actuated, No Footring – (TC) Tall Stool Height w/ Footring

ALPHA CLEANROOM & ESD SEATING



Model 164ST AN CR AB 1A /8

Electrostatic Control Specifications:
10⁸ Ohms/cm² resistivity.
Particulate Specifications: HEPA Filtration
Efficiency 99.97% @ 0.30 Microns.

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.

These are the four basic classifications of cleanrooms: Class 10,000, Class 100, Class 10 & Class 1	
Class 10,000 Cleanroom	These cleanrooms have products and furniture which produce 10,000 or less, 5 microns or larger airborne particulates through a particular test cycle.
Class 100 Cleanroom	Produce 100 or less, 5 microns or larger airborne particulates using the same testing procedures.
Class 10 Cleanroom	Produce 10 or less, 5 microns or larger airborne particulates using the same testing procedures.
Class 1 Cleanroom	Produce 1 or less, 5 microns or larger airborne particulates using the same testing procedures.

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 legs of the five-star base, through the conductive casters, and out onto the floor.

These are the three ranges of resistivity used in describing ESD control:	
Anti-Static	Electrical resistance of 10 ⁹ to 10 ¹⁴ ohms (10,000,000,000 to 1,000,000,000,000,000) (Computer and Electronic Installations)
Static Dissipative	Electrical resistance of 10 ⁵ to 10 ⁹ ohms (Cleanrooms, Hospitals, Microcircuitry Production, Electronics)
Conductive	Electrical resistance of less than 10 ⁵ ohms (Cleanrooms, Hospitals, Microcircuitry Production, Electronics)

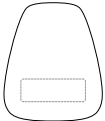
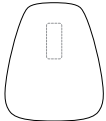
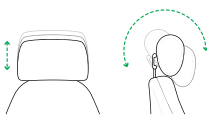

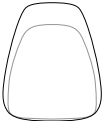


Model 163SX AN CR AB 1A /8

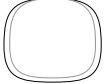
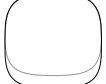


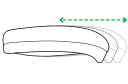
ALPHA CUSTOM FIT OPTIONS

For more information about custom fit options, please contact customer service at (800) 288-1492.

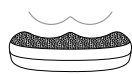


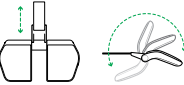
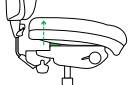
BACKREST ADD-ONS

				
AL Inflatable Air Lumbar	TH Inflatable Thoracic Bolster	HR Upholstered Headrest Height & Angle Adjustable Headrest <i>Available on 163 & 173 models only.</i>	UB Upholstered Backrest Shell Not available in vinyl or leather. <i>Requires 1 yd. COM.</i>	EB Extended Back Upgrade Upgrades to the next backrest size up. <i>Available for 163, 164 & 165 only.</i>


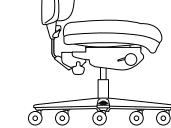
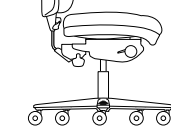
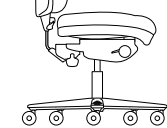
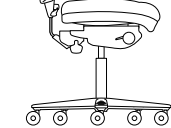
SEAT SIZES & SHAPES

				
ES Extended Seat Upgrade 21" wide x 19" deep <i>Standard seat on 173 model.</i>	LS Longer Seat 2" deeper than standard.	PS Petite Seat 16" wide x 16" deep	SH-- Shallower Seat Shallower seat than standard. SH20 (2" shallower), SH25 (2½" shallower), SH30 (3" shallower).	SS Seat Slider Seat depth adjuster; 2½" range. <i>Standard on SX control.</i>

SEAT ADD-ONS

				
VS Memory Foam Seat 1" memory foam seat topper.	TS Tailbone Seat Cut-Out Coccyx relief; includes (VS) option.	WS Work Seat 18½" wide x 14½" deep	LR Leg Rest Stows away under seat. <i>Available on seats w/ LS option only.</i>	FT-- Forward Tilt Spacers Create Initial Forward Seat Tilt FT08 (+2.3°), FT12 (+3.4°), FT16 (+4.6°), FT20 (+5.7°).

SEAT HEIGHT OPTIONS

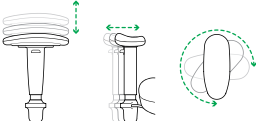

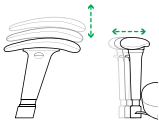
				
NC Nano Seat Height 14¾" - 17½" <i>-1¾" for ST mechanism, no SS.</i>	STANDARD Standard Height 16¼" - 20¾" <i>-1¾" for ST mechanism, no SS.</i>	XC Extended Seat Height 19" - 25¾" <i>-1¾" for ST mechanism, no SS.</i>	MC Medium Stool Height 21¾" - 29½" <i>-1¾" for ST mechanism, no SS.</i>	TC Tall Stool Height 24¾" - 34½" <i>-1¾" for ST mechanism, no SS.</i>

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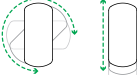
ARMREST OPTIONS

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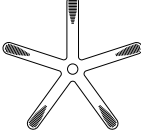
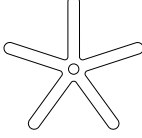
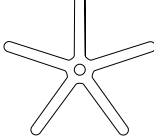
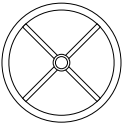
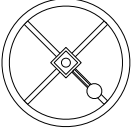
		
1- Height, Width & Angle Adjustable Arms Shown w/ (A) Contoured Urethane Caps Standard <i>Specify 1N to disable arm rotation.</i>	6- Height Adjustable, Fold-Away Arms Shown w/ (K) Kidney-Shaped Urethane Caps Standard <i>No width adjustment.</i>	7- Height & Width Adjustable, Forward Slanting Arms Shown w/ (K) Kidney-Shaped Urethane Caps Standard

ARM CAP OPTIONS

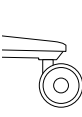



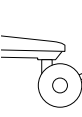
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A Contoured Urethane Caps <i>Standard on 1A & 1N arms.</i>	K Kidney-Shaped Urethane Caps <i>Standard on 7K and 6K arms.</i>	M Memory Foam Caps Extra Wide, Tapered <i>Not compatible w/ fold-away arms.</i>	L Lockable, Urethane Caps Width, Angle & Depth Adjustable	U Depth & Pivoting Memory Foam Caps

BASE OPTIONS

				
AB Polished Aluminum Base 24" Diameter <i>Standard base is black, powder coated aluminum.</i>	NB Nylon Base 24" Diameter	XA Extended Aluminum Base 28" Diameter	FR Footring Height Adjustable, 20" Diameter <i>Standard on 165 & 164 models. Specify XF for a 24" diameter ring.</i>	SR Heavy Duty Standing Height Adjustable, 21" Diameter <i>Available for 165 & 164 models only. Specify XS for a 24" diameter ring.</i>

CASTER OPTIONS

				
PC Parquet, Hard Floor Casters Soft Outer Tread	BP Braking, Hard Floor Casters Anti-Runaway, Locks When Unloaded	BC Braking, Carpet Casters Anti-Runaway, Locks When Unloaded	GL Glides	ML Manual Locking Casters Lockable w/ Switch



SITMATIC®

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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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.



**Green
Check
Certified**

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