

# CLEANROOM & ESD



LAB/TECHNICAL SEATING

**Why do workers in technical environments with stringent cleanroom and ESD requirements depend on Cramer seating? Design and performance – that's the Cramer difference.**

## APPLICATIONS

Semiconductor  
Medical Devices  
Electronics  
Pharmaceutical  
Aeronautics  
Research Labs  
Food Service

Our technical chairs and stools are as meticulously engineered as any piece of scientific equipment – and they perform with exceptional durability and comfort. They meet all necessary ESD and cleanroom requirements, are specifically designed for demanding environments, and are backed by the most aggressive warranty in the category.





**Whether in a small work station or a large manufacturing area, Cramer ESD seating keeps workers and materials grounded. Our industry-leading warranties ensure ESD performance 24 hours a day, 7 days a week for years to come.**

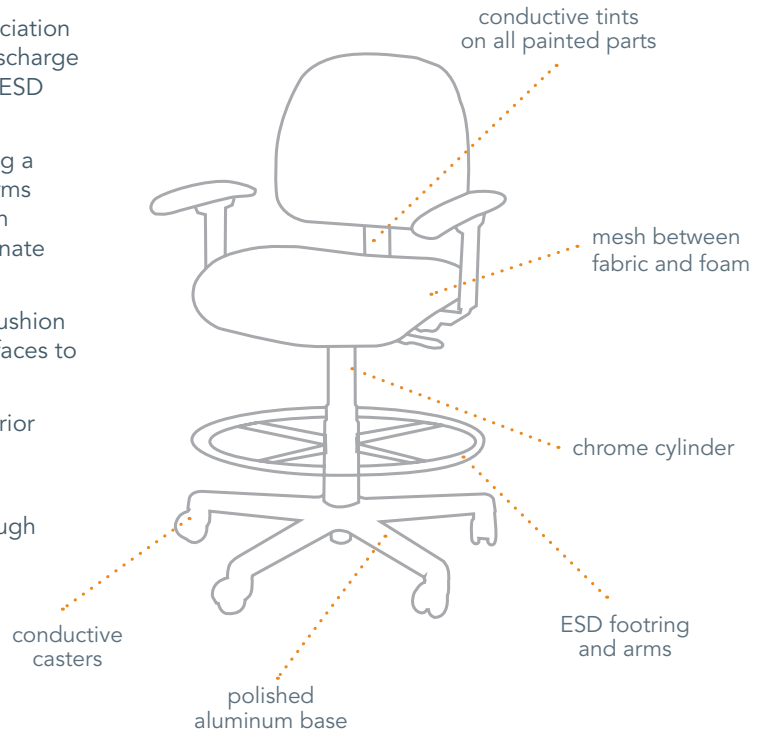
ESD chairs are specifically designed to meet the ESD Association standard test method for the Protection of Electrostatic Discharge Susceptible Items-Seating-Resistive Measurement standard ESD STM12.1-1997.

Each chair is assembled with ESD-approved parts, including a chrome cylinder, polished aluminum base, foot ring and arms made of molded conductive plastic, steel parts coated with conductive tints. The dual-density conductive casters eliminate the need for cumbersome drag chains.

A layer of silver-coated ESD mesh is added between the cushion and fabric permitting contact with both front and back surfaces to ensure continuity of the circuitry.

Cramer tests every chair individually for ESD compliance prior to shipment.

The chair frame, from the back to the base, is electrically conductive to ensure static charges will be dissipated through the upholstery and the chair frame to floor grounds.



## AVAILABLE COMPONENTS INCLUDE:



Pressure fit  
foot ring



Combination of  
Rhino skin and  
molded foam



Foot-Activated  
Height Adjustment



## CLEANROOM



**In a workplace with cleanroom requirements, keeping contaminants out is job one. At Cramer, our cleanroom seating meets all industry specifications while providing unmatched durability and comfort.**

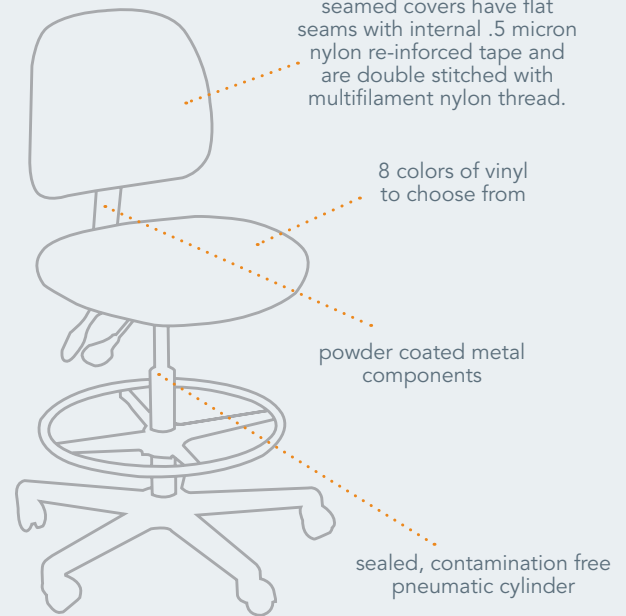
Cramer seating is a mainstay in the pharmaceutical, electrical, and semiconductor industries. Our exacting design standards and rigorous testing make Cramer a clear choice for intensive use seating in the clean room.

Cramer cleanroom chairs are designed for minimal particulate contribution as certified by tests conducted in accordance with ASTM F25-68 and SAE ARP734A.

Pneumatic cylinders are sealed and contamination-free. Upholstered cushions are sealed with Grade 2 or 4 vinyl covers. Both seamed and seamless covers prevent outgassing of particulates above .5 micron size.

Cramer offers Cleanroom seating products manufactured to meet ISO 14644, Class 1 (ISO 3), Class 10 (ISO 4) and Class 100 (ISO 5) standards.

Components, such as upholstered seats and backs, are protected from contamination during shipment in sealed plastic. Cleanroom chairs are labeled with instructions for unpacking in a cleanroom prep area.



# MODELS:

ALL MODELS AVAILABLE IN COUNTER HEIGHT



## TRITON®

- Carbon steel frame
- 3" high resilient molded foam
- 350/500 lb weight capacity
- Standard aluminum base
- 15 year, multi-shift warranty

TRITON®  
TRITON® MAX



## RHINO™ PLUS FAMILY

- Patented RhinoPlus provides unique combination of urethane over 3" molded foam
- Resists chemical and physical damage, cleans with bleach
- 300 lb weight capacity
- 16-gauge steel seat pan

RHINO™ PLUS  
RHINO™ PLUS  
ROUND STOOL



## FUSION

- Available in desk, mid- and high-heights
- Anti-microbial fabric or vinyl textile options
- Independent seat and back angle adjustments
- 6-gauge seat pan
- Articulating back

FUSION



## ROUND STOOL & DIMENSION

- Small scale perfect for tight work spaces
- Upholster in your choice of fabrics or vinyls
- Powder coated aluminum die-cast base standard
- Desk-height, mid-height up to 36", high-height up to 42"
- Hand- and foot-activated Round Stool models

ROUND STOOL  
- hand or foot activated  
DIMENSION



## RHINO™ FAMILY

- Cleanroom version meets class 1, 10, and 100 cleanroom standards
- Made of dense urethane foam molded right onto inner structure
- Durable Rhino skins stands up to chemical and physical damage

RHINO™ CHAIR  
RHINO™ STOOL  
RHINO™ SIT STAND

	CLASS 1 CLEAN ROOM	CLASS 10 CLEAN ROOM	CLASS 100 CLEAN ROOM	ESD	CLEANROOM + ESD
TRITON®			X	X	X
TRITON® MAX			X	X	X
RHINO™ PLUS			X	X	X
RHINO™ PLUS ROUND STOOL			X	X	X
FUSION			X	X	X
ROUND STOOL - hand or foot activated			X	X	X
DIMENSION			X	X	X
RHINO™ CHAIR	X	X	X	X	X
RHINO™ STOOL	X	X	X	X	X
RHINO™ SIT STAND	X	X	X	X	X

