



# Rigidwall Cleanrooms

## Versatile Clear-Panel Cleanrooms

- ISO Class 4 to 8 contamination control
- Visually appealing, affordable and highly functional
- Modular, pre-fabricated system installs quickly and easily
- Free-standing or built using your existing walls and ceiling
- Modify or expand the room on-site as your needs change
- Portable, reusable system stays with you if you move
- Many options to suit your exact specifications

### Complete Contamination Control

A rigidwall cleanroom is a versatile solution in any industry where controlling particulate is a priority. It combines superior contamination control with a comfortable working environment for maximum productivity. Outside air gets cleaned when it flows through ultra-quiet HEPA filters, then flows through the room and is vented back outside. This 'once-through' air flow creates positive outward air flow to ensure a contaminant-free space that complies with Class 100–Class 100,000 regulations.

### Versatile and Flexible System

A rigidwall cleanroom is free-standing or can be built utilizing a portion of your existing walls. This gives you the flexibility to modify, expand or move the room as your needs change, making the room a long-term investment for your organization.

### Easy to Install and Maintain

Your rigidwall cleanroom is pre-fabricated at the factory for quick installation, usually in 2-3 days. Easily install the room yourself with complete instructions, or have our crew do it for you. Ångström Technology construction specialists manage the entire project, from delivery and installation to clean up, with minimal disturbance to your staff. Ongoing maintenance is simple, with easy-to-clean panels and other components.

### Durable, Long-Lasting Design

A powder-coated extruded aluminum frame interlocks with heavy gauge aluminum ceiling grid for superior strength that won't sag over time. A variety of panel materials are offered to meet your requirements for chemical resistance, light wavelength and intensity, overall strength and security.

### Easy on Your Bottom Line

A rigidwall cleanroom is affordable, and priced comparably to traditional softwall rooms. Plus, your rigidwall cleanroom is completely modular, so it goes wherever you do.

### And It Looks Good Too!

Crystal-clear, completely flat wall panels create a cleanroom that's more aesthetically appealing than regular softwall rooms. Totally transparent walls make it easy to monitor activities in the room and showcase your work to executives, visitors and inspectors.



### Request your quote today!

Request your quote at [www.yourcleanroomexperts.com](http://www.yourcleanroomexperts.com)

Or call us today! Our representatives are happy to answer your questions and get your quote started over the phone.

### Ångström Technology Corporate Office

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 Ångström  
Technology Ltd.  
*Cleanrooms, Components and Supplies*

# Rigidwall Cleanrooms

## Specifications and Options

Rigidwall cleanrooms are designed for you! With a variety of options for walls, components and fixtures, we'll help you create a room that best suits your unique specifications. Use these options and specifications to better understand rigidwall cleanrooms, request a quote and when comparing our quote to other cleanroom suppliers'.

### Rigidwall Cleanroom Specifications

#### Standard Construction

- Frame is 2" x 2" Extruded Aluminum
- 2"x4" Ceiling grid/beams with 3/4" gasketed surface
- White powder coated finish

#### Lighting and HEPA Filters

- Standard lighting is 2' x 4' fluorescent, other options include tear drops and flow thru lighting
- HEPA Filters: 115V standard, (optional 220V, 240V and 277V)
- HEPA fan-powered filter 2'W x 4'L x 1'H (99.99% control of .3 microns)
- Lighting Fixtures incorporate universal ballots as standard(110-227 volt)

### Rigidwall Cleanroom Options

- Pass-thru chambers allow users to pass items in and out of the room without actually entering or leaving
- Interior walls and room dividers are used to separate the single cleanroom into multiple rooms for gowning, material preparation, or other applications
- Scrub panels attach sinks, soap dispensers and hand dryers
- Wall panel materials include your choice of acrylic, static dissipative PVC, or polycarbonate
- Air release vents prevent incoming particulate and ensure positive pressure
- Types of doors include a standard door, sliding door, strip door or automatic door
- Security and control panels for inside, or outside the room
- Electrical systems, like wall switches and outlets can be pre-wired, making installation even easier
- Sizes range from 6' x 9' to 24' x 36' with ceilings from 7' to 14'
- Security options range from simple door locks to keypad systems
- Filters and fans with different levels of functionality are available to best meet your requirements
- Lights are added based on your room's size and purpose
- Ceiling Grid Systems vary depending on your room's size and purpose
- Gravity Louvers allow cleanroom air to circulate and then flow outside, while keeping dirty air out