

SoftWall Enclosures

Flexible In-plant Enclosure Systems...
An Excellent Alternative to Rigid Wall Systems



SINCE 1875

SOPER'S
ENGINEERED FABRIC SOLUTIONS

An Excellent Alternative

Soper's Softwall Enclosures are easy to install, dismantle and relocate. They are the ideal alternative to traditional rigid wall systems such as drywall, concrete, block or metal clad.

WORK STATIONS / WORK CELLS / GRINDING BOOTHS: (Typically negative air pressure environments)



SoftWall booths start with a simple basic frame concept. Additional options can be added: lights, noise absorption, window strips, front curtain panels, retractable frames, etc.



Multi-function work station: welding, grinding, touch-up spray painting, c/w cross-flow air filtration modules.



Large custom grinding booth complete with air filtration modules and overhead retractable panel to accommodate overhead crane cables and the material handling of large piece-parts.

Ideal Electric, Ohio

Soper's SoftWall Work Stations effectively contain processes that can contaminate the workplace environment:

Dust | Heat | Welding Flash | Noise | Fumes

Easily integrated with Third Party dust collection or cross flow filter modules or fan units to create a cleaner, healthier, more comfortable and efficient work environment.

Modular in design and custom built to interface with specific material handling and processing operations.

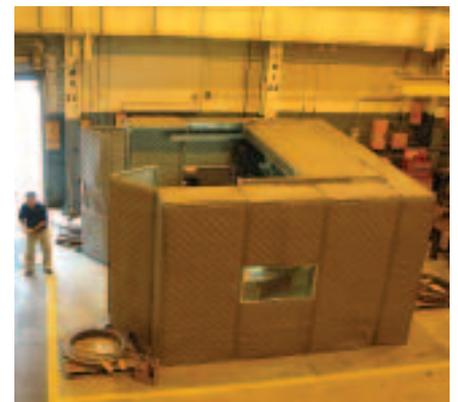
- Typical frames are 1 1/2 or 2 sq galvalum steel tubing
- No painting required
- Thru-bolt field assembly
- Rugged components for industrial environments

SoftWall exterior panels

- Numerous options to meet process conditions
- Velcro or fixed mechanical fastening options
- Easy repair, replacement, or modifications to meet new process criteria



Typical smaller work cell to control noise in a quiet assembly are / clearflex barrier strips block transmission of sound / unlimited access & material handling flow.



Framed noise enclosure with sliding panel roof and bifold doors allows maximum opening to load large pieces with overhead crane.

RETRACTABLE ENCLOSURES:

The ideal solution when floor space is limited or when beam cranes require complete “free and clear” / unobstructed overhead space (complete with both positive and negative pressure 3rd Party attachments for environmental and clean room type applications).

A Soper’s Retractable Enclosure is compact, retracting to 1/4 of its extended size. The enclosure can be easily retracted manually or automatically.

Other features include:

- Rugged galvalum frame modules designed for industrial plants and facilities
- Each “scissored” module comes fully assembled complete with thru-bolt pre-drilled holes to add multiple modules
- A full range of softwall panels is offered to meet a multitude of unique requirements

Applications include: Grinding Booths, Blackout Inspection, Prep Stations, Cleanroom Assembly or Rework Areas.



Retractable frame fully extended to enclose workspace. Optional curtain systems to enhance cross-flow draft of the air filtration units.

Partially extended



HYBRID SYSTEMS:

Soper’s Hybrid Systems combine SoftWall flexibility with other Rigid Wall / Rigid Frame systems by Third Party suppliers.

- Combined with Mezzanine Structures
- Combined with Wire Mesh Fencing Systems
- Combined with In-Plant Office Wall Systems
- Combined with other Rigid Wall Construction



Before



After

SOFTWALL ENVIRONMENTAL “E” ROOMS / CLEAN ROOMS / CLEAN BENCH ENVIRONMENTS / CLEAN TUNNELS:

(Typically positive air pressure environments)

Soper’s SoftWall “E” Rooms range from “cleaner” rooms to “spec’d” clean room classifications.

- Paint rooms
- Packaging booths
- Assembly stations
- Controlled processes

Modular in design and custom built to meet specific material handling and process specifications.

Easily integrated with Third party fan and filter modules (or supplied turn-key).

Soper’s SoftWall Clean Tunnels integrate multiple operations into one environmentally controlled process.

Typical integrations include:

- Parts load and unload
- Parts wash
- E coat or prime
- Paint booths & clean room
- Curing oven
- Packaging

Modular in assembly, but custom in design to integrate with multiple pieces of Third Party equipment and processes (Soper’s has a full range of capabilities and CAD packages to exchange with systems integrators).

Complete turn-key frame and softwall panel systems or softwall panels only to attach to existing frame structure or framed components by others.



Features include:

- Velcro panel attachments for ease of access or panel replacement
- Large mezzanine area coverage with suspended ceiling systems
- Free span trussed ceiling systems
- Integrate with various door systems (including Third Party units) for material handling, maintenance or personnel entrances
- Various softwall panel options, including anti-static, clear, high-temp chemical resistant

Complete Turn-Key Solution

From Design to Install... a complete turn-key solution... offered by Soper's.

When you purchase a Soper's Softwall Enclosure system, you are getting more than fabric and steel frames. You are getting a complete turn-key solution. Soper's prides itself on providing its customer with a value-added approach in designing, manufacturing, installing and servicing its products.

PROBLEM

The customer recognizes he has a problem (typically dust, fumes, noise, temperature or welding flash).

INVESTIGATE

A Soper's Distributor – with the support of our Sales & Service Team – begins an “investigation”, involving the customer from the onset. Our highly qualified staff will probe the problem – and make a site visit if necessary – to gain a complete understanding of the customer's unique needs.

OPTIONS

The customer is presented with various options and ideas. Cost, practicality, physical and logistical constraints are taken into account. The enclosure will be customized and tailored for the customer.

DESIGN

Once the customer chooses the option that best meets his needs, the enclosure is designed using CAD technology. Soper's Technical Team pays great attention to detail – right down to the nuts and bolts.

MANUFACTURE

The product is now ready to be manufactured. Soper's products are crafted from high quality, fully “spec'd” materials to achieve the rugged durability of demanding industrial and processing operations. With over 130 years of manufacturing experience, the customer can be confident he will receive a superior product.

INSTALL

Soper's scope of work goes beyond manufacturing. The enclosure will be installed by Soper's Installation Team or by an accredited member of our North American distribution network. Most often, little or no downtime is required.

SOLUTION

The customer's problem is now “solved.” Less dust. Less fumes. Less noise. Less welding flash. No more temperature issues.

Benefits:

■ Economical

When compared to traditional rigid wall construction, Soper's SoftWall Enclosures are a fraction of the cost.

■ Quick, efficient and clean

Soper's SoftWall Enclosures can be installed with very little or often no downtime, meaning minimal interruption to production. Plus, no mess and aggravation associated with rigid wall installs.

■ Flexibility

Ever try to modify a rigid wall enclosure? It is next to impossible. But Soper's SoftWall Enclosures are semi-permanent, meaning they can be easily removed or modified.

■ Improved work environment

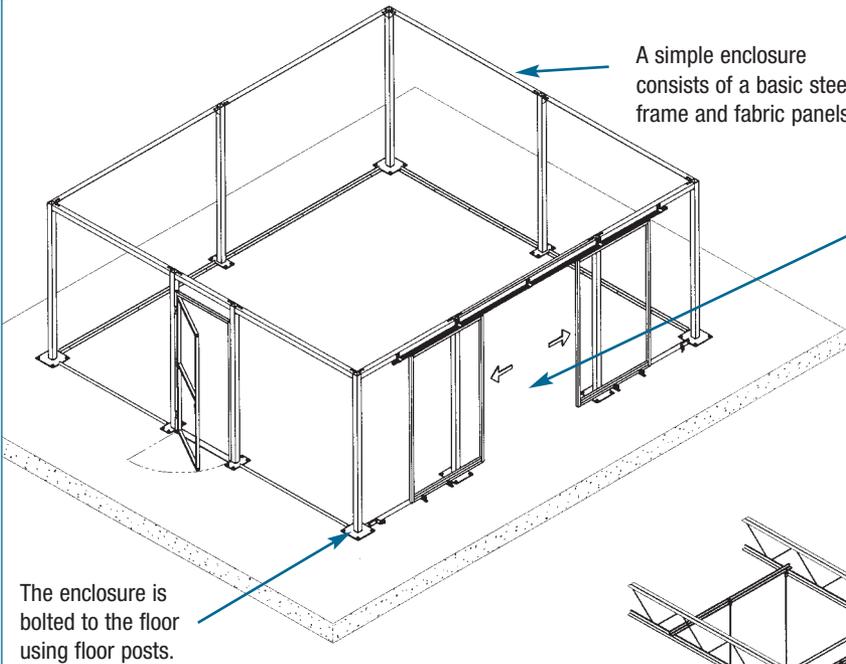
Ultimately, utilizing a Soper's SoftWall Enclosure will yield a safer, healthier and more productive work environment for your employees.

■ Purpose-built – just for you!

Soper's SoftWall Enclosures are custom-designed to meet the specific requirements of the end user. Soper's recognizes each customer's application is unique and designs its enclosures to reflect that uniqueness.

Building An Enclosure:

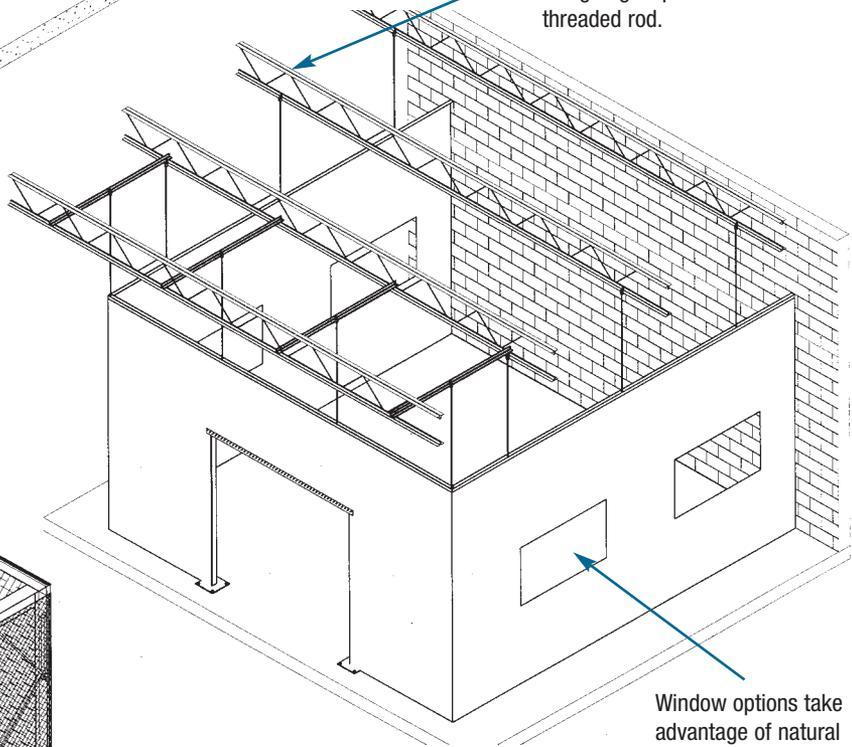
Let us give you some preliminary ideas of how to start designing a flexible SoftWall Enclosure using Soper's concepts and components.



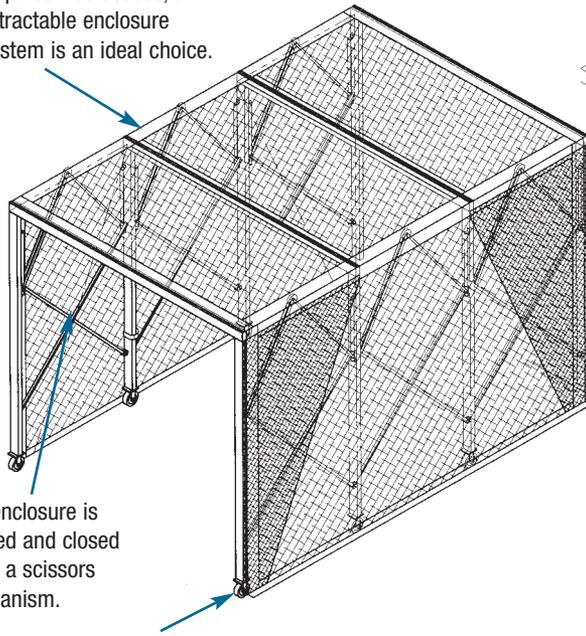
A simple enclosure consists of a basic steel frame and fabric panels.

Access into the enclosure is through an open side or a door opening.

An enclosure system can be attached to the ceiling joists using angle spanners and threaded rod.



When floor space is limited or when a beam crane requires free access, a retractable enclosure system is an ideal choice.



The enclosure is opened and closed using a scissors mechanism.

Roller casters make it easy for one person to open and close the enclosure.

Rugged
Custom Designed
Flexible

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