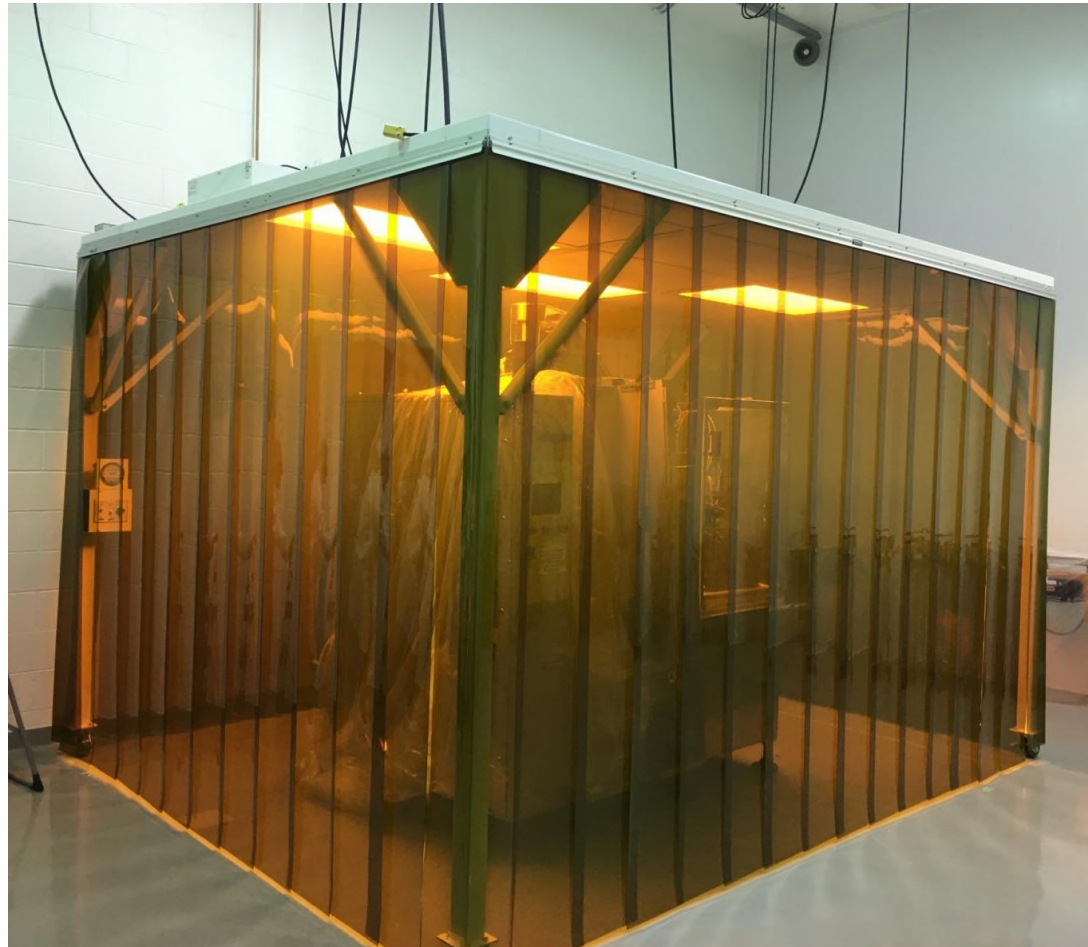




# Controlled Environment & Cleanroom Equipment

Air Filtration Equipment  
1-888-211-0171  
[www.industryairsales.com](http://www.industryairsales.com)



## Softwall Cleanroom (SWCR)

A Pharmaceutical  
Case Study *04-2016*

Industry Air Sales Ltd.

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**Challenge and Objective:** A major Ontario contract pharmaceutical company obtained a multi-year contract to manufacture small batches of a drug that had photostability properties. The drug had to be manufactured and packaged wholly within a cleanroom with yellow light filters. Initially, to manufacture this drug the pharmaceutical had to add yellow filter-tubes to all the lighting within their large (80'x80') packaging suite. This was a time-consuming and costly setup to manufacture this small-batch product. The pharmaceutical approached Industry Air Sales for a budget on a 10'x12'x9' soft-wall clean-room (SWCR). The SWCR would need casters so that it could be easily be moved out of the way when not required.



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*Customer Objective:* The cleanroom would need to be installed quickly and with minimal disruption to production.

*IAS Action:* We provided a QS-series (Quick-Ship) 10x20x9' stick-build cleanroom that shipped in one crate from the CRI factory. Installation was completed with a crew of two millwrights within 20-hours. Lay down and prep area was minimal and no hot-work was involved. All assembly was completed with basic hand tools.





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*Customer Objective:* To get a portable cleanroom that could easily be moved to a corner of the large production suite when not required, then be pulled out to the center of the room to complete a production run of the photosensitive product.

*IAS Action:* We provided casters on the 10x12 cleanroom. All casters were swivel-type with locks, allowing infinite maneuverability of the cleanroom. Gussets and cross-supports were added to stabilize and strengthen the frame.



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*Customer Objective:* To be able to monitor differential pressure within the portable SWCR to ensure it met ISO and GMP differential-pressure and air change requirements.

*Action:* Installation of a Magnehelic gage at an accessible location within the SWCR. Switches for lights and fans, along with variable speed fan controller, were likewise mounted on the same panel inside the SWCR for fast and convenient fan control.





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*Customer Objective:* The cleanroom would be equipped with yellow-filters on the fluorescent lighting and yellow-tinted split-curtains for the cleanroom walls to allow production of a photosensitive drug.

*IAS Action:* Split curtains were installed on all 4-sides of the SWCR to permit easy roll-over to cover large production and filling equipment. Gussets were provided on the four legs to ensure excellent stability of the structure.

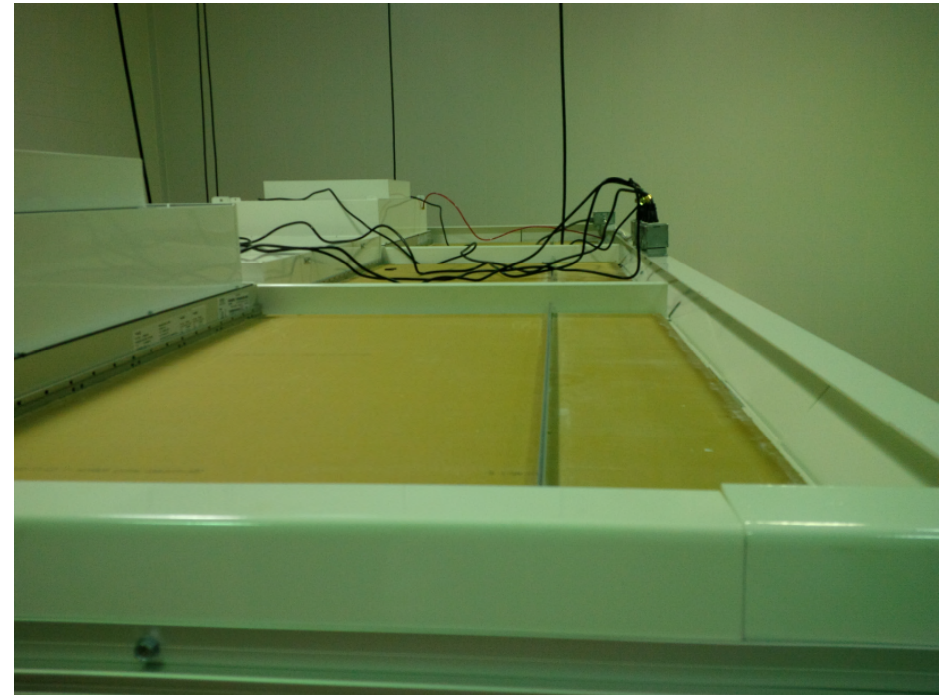


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*Customer Objective:* To have the SWCR assembled quickly with minimal disruption to their busy production schedule.

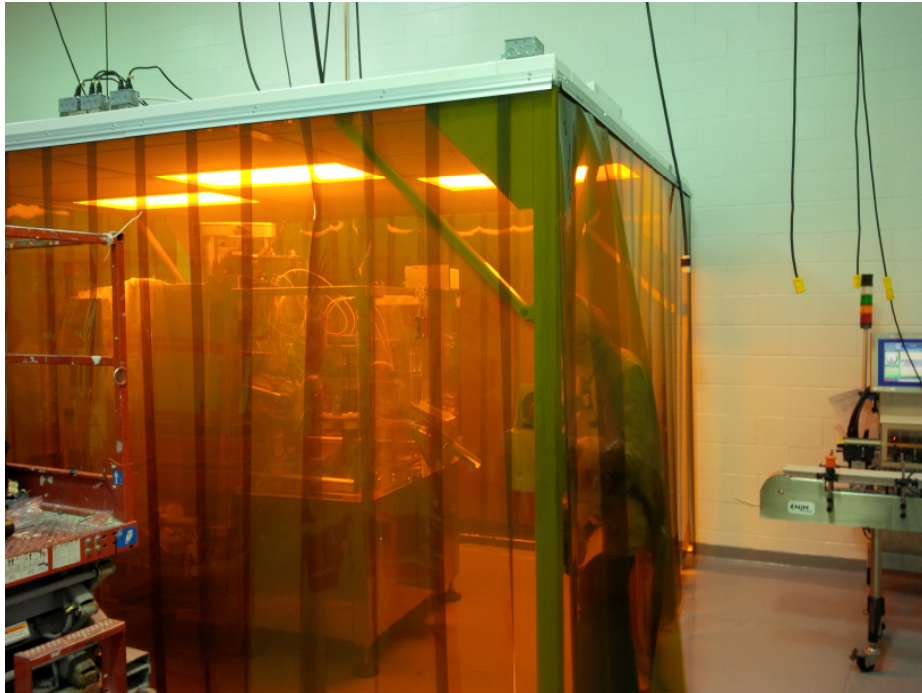
*IAS Solution:* We had the electrical factory pre-wired, eliminating the need for an electrician to complete wiring at the site. This resulted in time and cost savings to our customer. The only electrical requirement was to bring power to a single junction box on the SWCR after assembly was completed.





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*Customer Objective:* To get a photosensitive SWCR with portability and suitable to the production equipment.

*IAS Action:* The quick-assembly stick-build SWCR was provided with a 9' ceiling to fit the large production equipment being used. Assembly was simple thanks to the pre-engineered design. Customer was back on-line in less than 20-hours with an ISO rated SWCR.

*For assistance with your cleanroom challenge please contact our cleanroom group at:*

Tel: **1-888-211-0171 (Canada only)**

Email: **[info@industryairsales.com](mailto:info@industryairsales.com)**