

Schrock's of Walnut Creek

Ventilation System Project • Walnut Creek, OH

Ventilation System supports business growth & added quality in product line.

Schrock's is a family owned and operated business that began as a furniture manufacturing operation. They provide expert design and drafting capabilities, on site measurements, the best in skilled craftsmen, and complete installation options.

Challenge

Schrock's of Walnut Creek has enjoyed tremendous growth in their business and as a result developed additional needs to support production. Specifically, the finishing process for Schrock's furniture includes applying a topcoat to the custom woodwork and then allowing it to dry thoroughly. The down draft spray booth and drying room would both require proper ventilation and air flow to function effectively and prevent the transfer of fumes into other areas of their facility. Schrock's has a reputation for producing hand crafted, quality products. The project would need to be done in a way that allows the company to maintain it's standards for furniture quality and won't interrupt their business.

Solution

Gardiner worked with Schrock's to determine the best solution for their ventilation and process needs. With the benefit of an existing relationship with Schrock's, there were already components in place that could be used to fulfill their needs. There were two previously installed Trane Air Handlers (1993), as well as a Tracer Summit building automation system. A new ventilation system complete with exhaust and lighting controls was added to the existing system, as well as automation software upgrades to take advantage of additional control strategies for both space requirements and energy savings. This system would allow for the necessary fresh air makeup and proper flow in the spray booth and the drying room.



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Built in 1918, their skills are passed down through generations of craftsmen who are committed to building quality products that are not only uniquely beautiful, but functional and durable as well. Schrock's of Walnut Creek has built a whole "Reputation" on quality!

Building Specifications

Building Type

Furniture Manufacturing & Finishing

Plant #2 - Constructed

- 1918
- First Building 1986
- Second Addition 1993 (An extension of this 2nd addition was completed Jan. 2007)

Facility Size

62,000 sq. ft

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Results

Schrock's commitment to quality products, and Gardiner's commitment to Schrock's pushed this project to completion. The ventilation system will ensure the safety of workers by eliminating fumes in these areas, as well as the perfection of their finishing coat process in the drying room. As it turns out, the spray booth and drying room will be self sufficient due to the combination of equipment. It allows for the proportionate amount of fresh, cool air as well as an independent heat source. A well-crafted plan through a collaboration of efforts fulfilled Schrock's needs while providing an added benefit in the process.

“Working with Gardiner has been a pleasure. Our needs were well understood & we are pleased with the outcome.”

Ivan Schrock, Owner



Systems Overview

- 2 Air Handling Units
- Tracer Summit with Upgrades
- 2 Exhaust Fans
- Hot Water Coil
- Lighting & Exhaust Controls
- Hot Water Pump Control

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For more information on Gardiner Solutions, visit
www.WHGardiner.com or contact us at 440.248.3400