

## Re-Purposed Barn



Baldwin Mill Cabinetry, in Maryland, has re-purposed a three floor barn which used to be a chicken coop and turned it into a fully operational and productive woodworking shop specializing in high end custom cabinetry and millwork. Having first connected us over 15 years ago for some ductwork, Baldwin Mill Cabinetry's entire facility uses Air Handling ductwork.



## The Proper Three are Key

There are 3 important aspects to a proper dust or fume control system.



**1. HOODING.** It is very critical that a hood encompasses the area where the contaminant is being discharged without interfering with the operation. The hood shall be created as small as possible. The larger the hood, the more air volume that will be required. Once the size of the hood opening is determined, the necessary velocity is then applied which will designate the amount of airflow. Please refer to Chapter 3 of the Industrial Ventilation Manual ([www.acgih.org](http://www.acgih.org)) which will give you all of the information on hood design. We must create a proper hood first. This is our starting point as we pursue a safe and operational system.

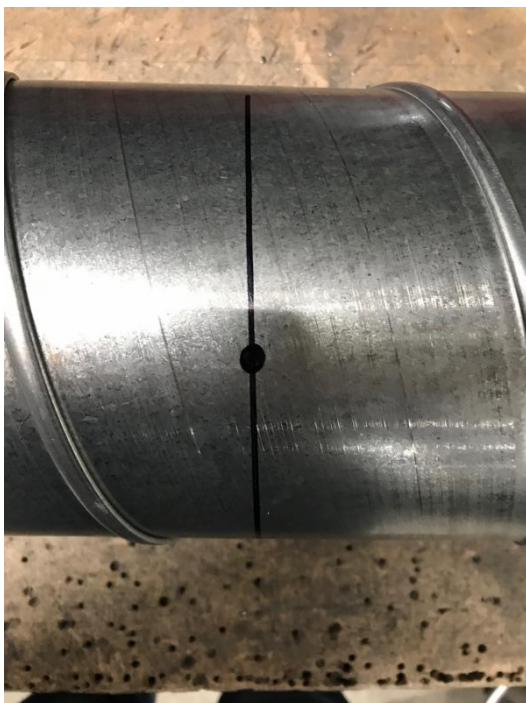
As new machinery is purchased Baldwin's crew has continued to call on Air handling Systems for spiral pipe, fittings and flexible hose.



## Installing Spiral Pipe



Installing Spiral Pipe is simple with step-by-step directions starting with "how to cut spiral pipe".



**2. PIPING.** Dust and fume control piping is available in many different materials and thickness. The contaminant being collected shall determine the piping design. Is the material abrasive, corrosive, hot, cold, sticky, light, heavy, volatile, explosive, or stringy? One size does not fit all. Hooding material will normally reflect the piping. Once the piping material and thickness is determined it is now time to pursue proper piping design. What is the angle of entry at a junction? What is the required radius of elbows? What is the size of the main duct and branches? What is the transport velocity? All of the questions must be answered as we pursue proper piping design. Please refer to Chapter 5 of the Industrial Ventilation Manual, Exhaust System Design Procedures.

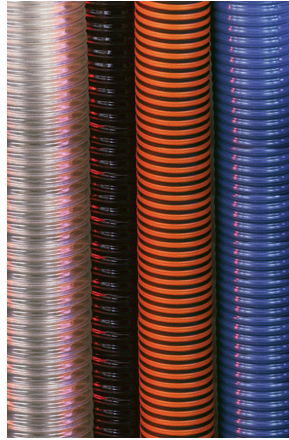
Quite simply, scribe line, drill and cut.  
Click [Cutting Spiral Pipe](#) to download PDF with details.

## Flexible Hose

Air Handling Systems stocks 15 different types of flexible hoses from 2"-12" in diameter all Made in USA.

**Click here to see our online selection.**

If you don't see the hose you need, let us know and we can tap our extensive network to find the correct hose for your application.



## Customer Testimonials

Originally I was hesitating to order because of the long distance between Connecticut & Alabama, but found Air Handling Systems' prices extremely reasonable - at least half of anyone in the area. Upon receiving the shipment I was pleased at how well packaged the product was. I was very pleased with my experience with Air Handling Systems, and plan to use them for subsequent jobs.

General Contractor, Mobile, Alabama



**3. COLLECTION.** Do I need a dust collector? What type of dust collector is required? What should filter material be made of? Do I need a fume scrubber? Can I just use a blower and emit to the atmosphere? Collection devices come in many different types and sizes. Each device is designed for a specific amount of airflow and the contaminant being collected. Again, one size does not fit all. Please refer to Chapter 4 of the Industrial Ventilation Manual, Air cleaning devices, or consult with dust or fume control equipment manufacturer. They will help you determine the proper piece of equipment. A supplementary device called a make up air unit may be necessary. If we emit exhaust air to the outside, we are depleting air from the plant, which must be replaced. A make up air unit will take outside air and replace the amount being exhausted. In cold weather climates, the make up air can be heated. For more information on dust collection system tips click [here](#).

## Air Handling Catalog





To request your FREE Air Handling Systems catalog please [click here](#), call 800-367-3828 or email [sales@airhand.com](mailto:sales@airhand.com).

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