

Focus on Wood Working



The Farr Gold Series® dust and fume collector combines enhanced performance with ease of service while cleaning the work environment of harmful dust and fumes.

THE CHALLENGE

There are several unique features of the Farr Gold Series that makes it work so well on wood applications.

- The vertical arrangement of the cartridges and wide spacing between cartridges keeps high loading dust from bridging between cartridges and plugging the collector.
- Cartridge overbags keeps the large shavings out of the pleat of the cartridge while allowing the finer material through to be filtered by the cartridge.
- The channel baffle inlet removes a high percentage of the dust before it gets to the cartridges, reducing the loading on the media and eliminating the need of a cyclone before the collector.
- The cross flow of air from the side mounted channel baffle inlet negates any can or interstitial velocity issues. Due to the cross flow of air across the cartridges there is no re-entrainment of material back into the cartridges.
- One cartridge will replace more than 10 bags versus a baghouse.



GS16 on Wood Working



FGS with filter overbags

Focus on Wood Working



GS48 at New England Wood Craft

SAFETY CONSIDERATIONS

Deflagration vents are recommended for all combustible wood applications. The collector should be located outside whenever possible or near an exterior wall with the explosion vents ducted per NFPA outside the building.

Sprinkler kits should also be installed in the collectors. If equipment being aspirated has the potential to produce sparks, such as a high speed sander, spark detection/suppression systems should be considered. It is best to have the customer check with his insurance carrier and follow NFPA 652 2016 Standard on the Fundamentals of Combustible Dust.

SIZING RECOMMENDATIONS

Most applications will have several different types of wood working machinery that creates very different types of dust. Molders, lathes and planners will create long curly strings of material or shavings, especially on softer woods like yellow pine. High speed belt sanders will create a very fine dust that may be referred to as wood flour. Chop saws and table saws will create saw dust which is typically the easiest dust to handle.

On all wood applications with a Farr Gold Series, the HemiPleat® cartridges should be used. If 100 percent of the material is from a high speed sander or saw, overbags may help increase the life of the cartridge, but are not a necessity.



Farr Gold Series at Houston Hardwood

Overbags should always be used with molders, planners and lathes. The air to cloth ratio with HemiPleat cartridges should be 2:1. The hopper discharge should be no less than 14" square. Machined airlocks should never be used, but a fabricated flex type airlock will work well on this type of material. If a high pressure pneumatic convey system is used to take the material away from the collector, a wood feeder should be considered.

One last note in designing the system - CNC routers require 6,000 to 7,000 FPM at the head so the static pressure loss at these types of machines can be 7-10" W.C. A booster fan may be needed at the machine to meet the airflow and static pressure demands.

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HEMIPLEAT® FILTERS WILL IMPROVE THE PERFORMANCE OF ANY CARTRIDGE DUST COLLECTOR. **GUARANTEED.**

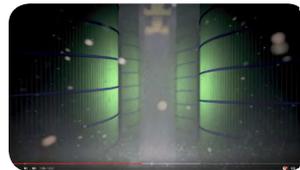


Power up your dust collector with HemiPleat. With lower pressure drop HemiPleat filters, you can pull more air with less energy, thus capturing pollutants better. Filtration efficiencies exceed 99.99% at 0.5 micron particle by weight.



Gold Cone Technology

The patented Gold Cone filter has allowed many facilities to reduce the number of filters they have to use and change. The innovative cone of filter media expands the usable area of the filter, reducing the required number of filters by at least a third. The design also promotes long filter life with low pressure drop.



Got dust or fumes in your workplace? Hold on because you're about to take a virtual ride and fly through a Farr Gold Series industrial dust collector. See how it works and how it can help you clean up your factory.



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