

Focus on Laser Cutting



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

Capturing dust and fumes generated during laser cutting presents a unique challenge. With laser cutting, floor space is typically at a premium. Combining guidelines found in the ACGIH “Industrial Ventilation: A Manual of Recommended Practice for Design” with our in-field experience and state-of-the-art filtration, Camfil APC will correctly size a cost- and space-saving filtration system that is reliable, durable and easy to maintain. **Let Camfil APC’s expertise in this application help you to put in a safe dust collection system.**

STANDARD FEATURES:

- Farr Gold Series Packaged (GSP) collector available in three sizes (2, 4 or 6 cartridges).
- All access to components (including controller, compressed air supply, access door, discharge drawer and integrated inlet damper) is on the front side of the collector for ease of use.
- Inlet damper is integrated into the collector as a standard feature. Damper is sized for appropriate airflow for the size/model.
- Discharge system features a 20-gallon drawer with sliding casters and a cam-operated lift device.
- Compact collector footprint with top-mounted fan saves space.
- Diaphragm valves are mounted low for maintenance accessibility.
- Fire sprinkler in the clean air plenum provides more effective fire suppression.
- Fire detector sends a signal to the controller to shut down both the fan and the cutting table.

Say hello to the Farr Gold Series® Package, a plug and play dust and fume collection system for the metal industry. It's chock full of fresh features, from cam-lift dust drawer to a built-in air damper inside the inlet, to make user operation and maintenance simpler. So when you're ready, say hello to the friendliest dust and fume collector on the market.

JUST PLUG IT IN! - The Farr Gold Series® Packaged collector ships completely assembled and ready to plug in. The unit includes all internal electrical connections, dust collector timer controls and fan controls. Accessories such as fire detectors are also factory-wired and ready to go. The unit ships fully crated and protected from shipping damage.

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SAFETY CONSIDERATIONS

Fire is a concern with laser cutting. Units come standard with spark arrestor, flame retardant filters and fire detector fan shutoff.

FILTERS

Our flame retardant, HemiPleat® cartridge filters are recommended for all cutting applications. The double gasket on the filters prevents dust bypass. The HemiPleat cartridges shed dust better, and most of the dust is captured at the surface of the filters because the pores on the nano fiber media are so small. These features increase cleaning

SIZE RECOMMENDATIONS

Two important factors in sizing the collector are the expected amount of fume particulate being collected and material being cut. Several things affect the amount of particulate being collected: the wattage of the laser cutter, materials used, thickness, and hours of operation.

Other factors to consider include zoned tables, shuttle tables, auto load/unload, fiber versus carbon dioxide, and optic cleanliness.

PERFORMANCE GUARANTEED!

Our units come with startup and on-site operator and maintenance training. Each dust collector is designed for zoned, non-zoned and central systems, utilizing multiple laser wattages. We offer dust testing and compliance with NFPA fire and explosion industry guidelines.

Case Studies on Laser Cutting

[Briggs & Stratton](#)
[Tennant Company](#)



Video: The Spirit of Camfil APC



GS24 on laser cutting for carbon steel



HEMI PLEAT® 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 size. The air coming out of a Farr Gold Series dust collector with HemiPleat filters has been tested to exceed the air quality required in most hospital operating rooms!

Flame retardant filters should always be used in this application.



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.

Camfil APC

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