

A.C.T.

D U S T C O L L E C T O R S

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LASERPACK
by A.C.T. DUST COLLECTORS

A.C.T. Dust Collectors is proud to offer a dust collector designed specifically for the laser cutting industry. Introducing the ACT LaserPack 4 and the ACT LaserPack 6. Unique, heavy duty, effective, in a plug-and-play package, complete with integrated cyclonic spark trap on the inlet of the dust collector. The unit also features an integrated motor/blower that is surrounded with noise attenuation material for quiet operation. The controls are mounted on the side of the collector and prewired for easy, on site hook up. The deluxe control system comes with every LaserPack, mounted to the system and pre-wired. This allows the LaserPack to integrate and start on-demand when your laser cutting system is turned on. The dust drawer base makes for easy handling and disposal of the collected dust.

2000-3000 CFM

	LaserPack 4	LaserPack 6
# of Filters	4	6
Filter Area	1016	1524
Horsepower	5	10
Height	85	109
Width	42	42
Depth	58	58





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DUST COLLECTORS

Air: Captured. Filtered. Delivered.

CASE STUDY

LASER CUTTING APPLICATION: CLEAN THE AIR A LaserPack Case Study



A customer in Texas purchased a new fiber laser cutting machine. The machine offers incredible precision and speed but produces an extremely fine dust during operation. The company reached out to A.C.T. Dust Collectors to find a solution to their fiber laser dust collection.

Our team has extensive experience with this exact application. One important factor is the correct filter media. Nanofiber filters effectively collect particles in the 0.3 to 0.7 micron range (fine dust). A.C.T. Dust Collectors NanoElite is a premium Nanofiber filter and comes standard across the whole range of dust collectors. This type of filter keeps the particulate collected on the surface of the media and prevents it from embedding (called blinding) in the filter, known as surface loading. Surface loading allows the dust to be removed with ease when the filters are pulse-cleaned, which results in longer filter life. While other specialty media filters are available, the A.C.T. NanoElite filters were ideal for this application.



After research was conducted on the capacity required to effectively capture the dust, it was agreed that the A.C.T. LaserPack 6 was the best option for this application. It is designed for use in fiber laser applications and is equipped with an integrated spark trap, pre-wired controls, noise attenuation blower enclosure, and features a remote start feature so the dust collector can be controlled from the fiber laser machine.

The Texas customer experienced the value of pre-packaged solution offered by the A.C.T. LaserPack 6 with the NanoElite cartridge filters. For extra insurance, we added a HEPA after filter plenum for additional protection from super fine dust.

After 6 months, the customer reached out and told us that they are impressed with the unit. "It's working great!" the plant manager reported. They have not had to replace cartridge filters and are pleased with how the system is running.

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