Air Purification Solutions

electrocorp
The Simple Solution™

With Electrocorp Units:

- Remove both chemical vapor and particulate pollutants
- Protect personnel
- Protect your laser equipment
- Comply with health and safety regulations

At last! Affordable Source-Capture Units for LASER ENGRAVING

Problem:

Lasers are a major innovation in engraving, cutting and marking applications, however the fumes and particles released by the process compromise equipment power & performance as well as workplace health and safety. As a result, fume extraction and particle collection are vital.

Solution:

Electrocorp offers powerful, yet affordable source capture units that remove chemicals, gases, odors and particles *before* they become airborne and circulate. This capture method offers superior protection for operators, helps to safeguard sensitive laser optics and helps prevent product contamination.

The Electrocorp Advantage:

- Source-capture for precision air cleaning
- Refillable, reusable carbon canisters
- Lower capital and operating costs
- Superior particle filtration
- Deeper carbon beds for better adsorption of chemicals, vapors and odors
- Custom carbon blends for specific materials, such as PVC
- Separate filters for particles and chemicals, vapors & odors
- Dual layer, easy access pre-filter prolongs the life of the HEPA filter
- Adjustable airflow
- Robust metal housing

Further Informaton: BERRIMAN ASSOCIATES 1-800-480-3630 www.berriman.com

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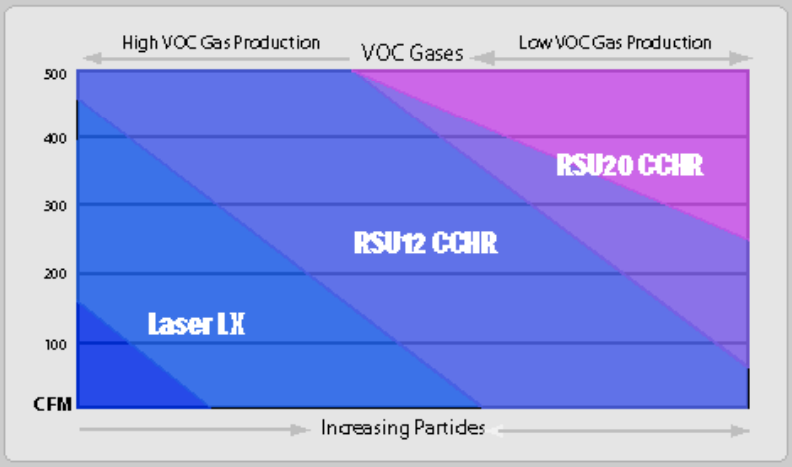
*These are general assessments only. The specific air pollutants present in an environment will be subject to a wide range of factors. ***Consult an Electrocorp air quality expert for more information.***

General Filtration Requirements For Laser Engravers

Material	Air Pollutants*	Required Filtration	Recommended Unit
Metal, Polyethylene, Polycarbonate & Glass	Mostly particulate, some VOCs	HEPA, 2 layer easy-access pre-filter, special carbon blend for VOCs, 0.5 micron pre-filter before the carbon, high performance blower	Laser LX and RSU 20 CCHR
Polystyrene, PVC & Acrylic	High levels of VOC gas, some particulate	Deep-bed of carbon for maximum adsorption, special carbon blend, 99% efficient electrostatic particle filtration	Laser LX and RSU 20 CCHR
Polypropylene	Equal VOC and particulate	Deep-bed of carbon for maximum adsorption, special carbon blend, 99% efficient electrostatic particle filtration	Depending on CFM
Wood	A high volume of particulate smoke, some VOCs	HEPA, 2 layer easy-access pre-filter, special carbon blend for VOCs, 0.5 micron pre-filter before the carbon, high performance blower	Depending on CFM



RSU 12 CCHR

Technical Characteristics:

Dimensions: 23" x 18"
Shipping weight: 50 lbs.
Particle filters: 0.3 inlet dual pre-filter, layer consisting of 30 PPI foam for heavy particles, and a 0.3 micron electrostatic particle filter to protect the medical grade HEPA
Carbon filter: 20 lbs. (total weight including canister is 23 lbs.)
Delivered air: Up to 300 CFM
Ships on a pallet

RSU 20 CCHR

Technical Characteristics:

Dimensions: 31" x 18"
Shipping weight: 82 lbs. with pallet
Particle filters: 0.3 inlet dual pre-filter, layer consisting of 30 PPI foam for heavy particles, and a 0.3 micron electrostatic particle filter to protect the medical grade HEPA
Carbon filter: 30 lbs. (total weight including canister is 34 lbs.)
Delivered air: Up to 450 CFM
Ships on a pallet

Laser LX

Technical Characteristics:

Dimensions: 27" x 15"
Shipping weight: 58 lbs. (2 boxes)
Particle filters: 0.3 inlet dual pre-filter, layer consisting of 30 PPI foam for heavy particles, and a 0.3 micron electrostatic particle filter to protect the medical grade HEPA
Carbon filter: 24 lbs.
Rated air flow: 735 CFM
Capture velocity at inlet: 950 fpm
Includes a 6" flange