

Eco-logical(ly) better

→ Atmos exhaust systems



www.troteclaser.com

setting
new
standards



Active environmental protection
Convenient and safe
Intelligent solutions

Trotec exhaust technology



a clean decision



A good exhaust system is absolutely necessary to guarantee the safe and clean operation of your laser system. Dust and gas must be removed from the processing chamber. An exhaust system with a sufficient amount of active charcoal also filters out any odours generated during the laser process. Moreover, the quality of your lasered end products is guaranteed. These exhaust systems - tailored to your needs - protect the operators and the environment. Trotec is the only lasersystem supplier having the ISO 14001 certificate (since 2008).

Atmos heralds the next Trotec generation, setting new standards in terms of user-friendly handling, efficiency and running costs.



Active environmental protection

Efficient filtering of dust and gas prolongs the service life of your laser system and protects both you and the environment.

Intelligent solutions

We have spent many years working intensively on the interplay between laser and exhaust units. This is why we are able to provide you with intelligent solutions such as monitor remote control, on-line filter exchange indicators, and much more.

Efficient operation

Trotec exhaust systems are optimised for the toughest conditions and a long service life. Productivity is achieved by an optimum combination of laser and exhaust technology. This saves valuable time usually spent on service and maintenance.

Standards



Automated power control

Flow control technology ensures that the exhaust function is automatically adjusted according to the filter saturation. This guarantees optimal gas and dust extraction.

Digital operator panel

The operator panel is ergonomically designed and located on the upper side of the Atmos exhaust system providing simple, convenient access.

Convenient filter exchange

Exchanging the filter and active charcoal is simple, clean and convenient. The innovative design means that only a small amount of manual intervention is required to replace the entire filter assembly in your exhaust system.

Brushless fans

Atmos exhaust systems are fitted with continuous operation brushless fans. They are entirely maintenance free. The continuous fresh air cooling system guarantees maximum service life.

Options



Cleaning set

This is used to clean the engraving cabinet and the engraved material. The cleaning set may also be connected to the exhaust hose on the rear of the Atmos exhaust system.

Sound insulation module

This is used to further reduce the amount of operating noise, making the Atmos exhaust system even quieter. Ideal for operation in office spaces or shopping centers.



Replacement filter "Comfort Box"

It is easy to replace the particle filter as required. Open the upper lid, remove the filter and insert the new filter.



"Comfort Carbon" active charcoal filter

Maximum filtering of odours using the most efficient active charcoal.

Ventilation connection

All Atmos stand-alone units may be connected to an external ventilation system as standard.

→ **Ideally equipped**
Atmos Series

The stand-alone design of the Atmos exhaust system series comes in a variety of different configurations depending on your needs: with one or two fans (depending on the suction needed) or with one or two active charcoal Comfort Bags (depending on the level of odour filtering required).



→ **Space saver**
Atmos Compact

The Atmos Compact exhaust system is added to a laser to create a single unit and saves space. It is positioned directly underneath the laser and also functions as a trolley. It filters particles and odours and can also be controlled via the monitor just like the standalone units.



→ **Energy-saving mode**

Trotec's JobControl® software may be used to set the length of time the fans should be running before and after the engraving takes place. This ensures optimal exhaust extraction and the automated turn-on time saves valuable energy and cash.

Bi-directional control

Atmos exhaust systems may be conveniently controlled via the monitor. The operator also receives feedback regarding fan activity and filter saturation directly back to the Trotec JobControl® software.

Standards



Prefilter systems

These are mainly used when there is a large amount of dust to filter. They are positioned between the laser and the exhaust system. The dust particles are collected in a container. You can choose between mechanical or automated dedusting (using compressed air). If particularly tenacious particles are produced (e.g. when processing acrylic), the prefilter may also be treated with an additive.

VENT ventilators

These are used for the efficient extraction of dust and gas, without filtering dust particles or odours using active charcoal.

→ Atmos product guide

| | Atmos Compact | Atmos Mono | Atmos Mono plus | Atmos Duo plus | Vent |
|--|----------------------|---------------|-----------------|----------------|------|
| Level of dust created by the application | Low | Medium-high | Medium-high | Medium-high | None |
| Odours created by the application | Low | Medium | Medium-high | Medium-high | None |
| Rayjet | • | • | • | | |
| Speedy 100 | • | • | • | | |
| Speedy 300 | • | • | • | • | |
| Speedy 500 | | | | • | • |
| SP1500 | | | | | • |
| Speedy 100 / 300 fiber | • | • | | | |
| Speedy 300 flexx | | • | • | | |
| Activated carbon | 1 activ. carbon unit | 1 Comfort bag | 2 Comfort bags | 2 Comfort bags | |
| Continuous operation fans | ✓ | ✓ | ✓ | ✓ | ✓ |
| Automated power control | ✓ | ✓ | ✓ | ✓ | |
| Digital operator panel | ✓ | ✓ | ✓ | ✓ | |
| Bi-directional control | ✓ | ✓ | ✓ | ✓ | |

→ Trotec exhaust systems – developed and built in Austria.

Contact us so we can help you filter out the optimum exhaust system for your application.

