

Intelligent. Economical. Clean.

→ Atmos exhaust systems



www.troteclaser.com.au



Convenient filtering of dust, gases and odours resulting in a long operating life for the laser system and optimal engraving and cutting results

Optimally coordinated

→ Exhaust technology from Trotec



This convenient exhaust system ensures the safe and clean operation of your laser system. It reliably removes dust and gas from the processing space, it filters odours that develop during laser processing thanks to its activated carbon filter, and it facilitates the best possible engraving and cutting quality.

Choosing an appropriate exhaust system guarantees a long operating life for the laser device.

The Atmos exhaust systems from Trotec are optimally coordinated for Trotec laser systems and are serviced with your laser device. Trotec is the only laser manufacturer to offer this all-round service.

With Atmos, Trotec sets standards in terms of user-friendliness, efficiency and low maintenance costs.

Clean

The efficient filtering of dust, gas and odours prolongs the operating life of your laser system and provides a clean working environment for the user.

Intelligent

We have spent several years working on the interaction between laser and exhaust systems. Therefore, you will find that we offer intelligent solutions such as the operating the exhaust via the keypad, FlowControl technology, and a control function via the laser software or the Trotec iOS app.

Economical

A good exhaust solution improves the engraving and cutting results. Low maintenance costs are guaranteed due to the sophisticated filter solutions. Your benefits: Thanks to Trotec Service, the Atmos exhaust system is serviced together with your laser, all under one roof.

Standard

→ FlowControl Technology

Thanks to Trotec's FlowControl technology, the exhaust rate is automatically adjusted depending on the saturation of the filter. So you can rest assured that gas and dust are optimally extracted at all times.

Digital Control Panel

The control panel on the Atmos exhaust systems can always be easily and conveniently seen and accessed by the user.

Convenient filter replacement

Replacement of filter units and activated carbon is easy, clean and convenient. In just a few movements, you can replace the entire filter on your exhaust system thanks to the innovative design. This applies to all devices in the Atmos series.



Digital control panel



Convenient filter replacement



Various types of replacement filter



Options

→ Cleaning set

Helps to clean the inside of your laser and, if necessary, the workpieces. The cleaning set can also be attached to the exhaust hose on the back of the Atmos exhaust system.

Sound insulation module

Ensures the further reduction of operating noise and makes the Atmos exhaust systems even quieter. Ideal for use in offices or shopping centers.

Replacement filter

The user can choose between the standard filter and the HEPA filter. The standard filter is the ideal choice for all CO₂ and flex applications, the HEPA filter is particularly suited to fiber laser applications with the smallest dust particles. It is easy to replace the particle filter if required. Open the lid, remove the filter and insert the new filter. The layer structure of the filter and the use of pre-filter matting results in cost savings.

→ Appropriate extraction for each application

Atmos Series

We will recommend a suitable exhaust system which is tailored to your applications and matches your Trotec laser. We are happy to advise you.



Atmos Nano:

Particularly compact and easy to transport, ideal for fiber laser applications with particularly small dust particles and minimal odour.

Atmos Compact:

Forms a single unit with the laser device and simultaneously functions as a support frame, for applications with low levels of dust.

Atmos Mono:

Stand-alone version with a turbine for applications with medium levels of dust.

Atmos Duo:

Stand-alone version with two turbines for applications with high levels of dust.

Atmos Mono Plus and Atmos Duo Plus:

Each of these "Plus" exhaust systems are equipped with two activated carbon Comfort Bags, perfect for odour-intensive applications.

→ Brushless turbines

The Atmos exhaust systems are equipped with continuous operation brushless turbines. These are completely maintenance free. In addition, the continuous fresh air cooling ensures maximum operating life.

Energy-saving mode

The Trotec JobControl® software can be used to set the running time of the exhaust system before and after the end of the laser job. This guarantees optimal exhaust power and saves energy and costs.

Bidirectional control

Atmos exhaust systems communicate with the Trotec JobControl®, SpeedMark and DirectMark software. They are simultaneously activated at the start of the laser processing and stop when the laser job ends. In addition, status reports and warnings are displayed in the software.

Standard



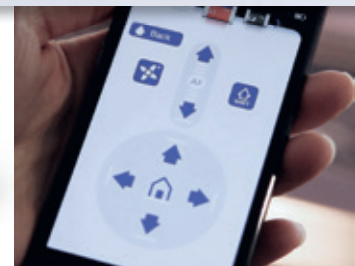
Cleaning set



Sound insulation module



Pre-filter system



Activation via iOS app

→ "Comfort Carbon" activated carbon filter

Maximum filtering of odours using highly efficient activated carbon.

Exhaust connection

All stand-alone devices in the Atmos Series can, by default, be connected to an external exhaust system.

Pre-filter systems

The use of pre-filter is recommended if there is a large quantity of dust to be filtered. This is positioned between the laser device and the exhaust system. The dust particles are collected in a separate container. You can choose between pre-filter systems with mechanical or automatic cleaning (using compressed air). If particularly tenacious particles are produced (e.g. when processing acrylic), the pre-filter can also be equipped with an optional additive dosage unit.

Options

→ Atmos product guide



	Atmos Nano (highly compact)	Atmos Compact (ride-on)	Atmos Mono (stand-alone)	Atmos Mono Plus (stand-alone)	Atmos Duo Plus (stand alone)
Dimensions D x W x H mm	399 x 328 x 540	675 x 815 x 555/520	700 x 560 x 1050	700 x 560 x 1050	700 x 560 x 1050
Weight	32 kg	88 kg	104 kg	113 kg	115 kg
Energy supply	230V/50/60 Hz	230V/50/60 Hz	230V/50/60 Hz	230V/50/60 Hz	230V/50/60 Hz
Motor	1 pc. continuous flow turbine	1 pc. continuous flow turbine	1 pc. continuous flow turbine	1 pc. continuous flow turbine	2 pcs. continuous flow turbines
Performance	200 m³/h	250 m³/h	320 m³/h	320 m³/h	2 x 320 m³/h
Pressure increase	8,500 Pa (230V)	8,500 Pa (230V)	8,500 Pa (230V)	8,500 Pa (230V)	8,500 Pa (230V)
Filter type and equipment	H13 combination filter and activated carbon	Bag filter F9 and activated carbon	Compact filter F9 and activated carbon or H13 combination filter and activated carbon	Compact filter F9 and activated carbon or H13 combination filter and activated carbon	Compact filter F9 and activated carbon or H13 combination filter and activated carbon
Suitable laser systems	Pro Marker Pro Marker 300 Speed Marker Speed Marker 300 LWS 780 Speedy 100 fiber Speedy 300 fiber	Rayjet Speedy 100 Speedy 100 fiber Speedy 100 flexx Speedy 300* Speedy 300 fiber* Speedy 300 flexx*	Rayjet Speedy 100 Speedy 100 fiber Speedy 100 flexx Speedy 300* Speedy 300 fiber* Speedy 300 flexx*	Rayjet Speedy 100 Speedy 100 flexx Speedy 300 Speedy 300 flexx	Speedy 300 Speedy 300 fiber Speedy 100 flexx Speedy 400 Speedy 400 fiber Speedy 400 flexx SP500 Laserati

* without vacuum table

The use of a pre-filter is recommended if there is a large quantity of dust to be filtered. We are happy to recommend the best solution for you.

Showrooms and Training & Development Facilities
 NSW (Head Office): 23B Rodeo Rd Gregory Hills 2557
 QLD: 20/23 Ellerslie Rd Meadowbrook 4131
 VIC: 16/345 Plummer St Port Melbourne 3207
 WA: 1/40 Ledger Rd Balcatta 6021
 SA: 28 Blenheim St Adelaide 5000
 NZ: 45/18 Lambie Dr Manukau Auckland 2241

www.troteclaser.com.au

Trotec Laser Australia / New Zealand
 T: 1300 TROTEC / +612 6413 5904
 E: info@troteclaser.com.au

www.facebook.com/TroteclaserOZ

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