MEGAfume

Fingerprint Fuming Chamber Series

for the development of fingerprints on non-porous surfaces using fluorescent & non-fluorescent cyanoacrylates in liquid and powder form

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MEGAfume

Air Cleaning after Development

Subsequent to the fuming process, the air inside ***MEGAfume*** must be cleaned from remains of the cyanoacrylate fume. This is realised by an capsuled, dust free activated carbon filter cartridge in the rear of the cabinet interior, which can easily be replaced by the user.
An intelligent filter management system calculates amount and type of development chemical into the filter life time. When saturation of the filter is reached, the user is prompted to replace the cassette and further use without sufficient filter performance is disabled.

Advantages at a Glance

- **Innovative Interior Concept**
  All inner side walls are made from even, frame and seamless safety glass panels. The support rails on the side can be used with sturdy grills or freely distributable hanging and support rods (all made from stainless steel). Grills, rods and supports can be completely removed for easy cleaning.

- **Pre-programmable Cycles** for different treatment chemicals (***cyano-acrylate, liquid or in powder form, fluorescent or non-fluorescent***) and evidence types care for ease of use and consistent quality of print development. Parameters and timer can be adjusted by the user to his particular best practice rules. Alternatively the entire process can be controlled manually.

- **USB Process Data Logger**
  Like our forensic climate chamber NINcha, MEGAfume features a data logger system, recording all parameters relevant to a development cycle for quality documentation.

- **Electro-mechanical door interlock**
  The large glass front door, which allows easy loading of the cabinet, is interlocked by the control system during the development process via an electro-mechanical locking mechanism. In combination with a high performance silicon seal this ensures secure and low.-maintenance closure of the cabinet.

- **UV Decontamination Unit (optional)**
  In addition to the easy cleanable surfaces an optionally available UV-C unit allows breaking up the DNA chains on interior surfaces to reduce the risk of cross-contamination.

Novel, innovative Interior Concept

MEGAfume is designed with an exoskeleton. All interior walls are made from frame and seamless safety glass panels.
Many interior parts like grills, hanging rods, support rails, filter cartridge, bottom panel, water tank and fuming plate are made from stainless steel.

Integrated Illumination

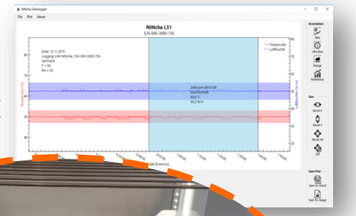
Despite automated processes, a forensic enclosure must enable good observation of the evidence material.
For this ***MEGAfume*** features glass all around and is fitted with powerful full length LED stripes in each corner. For optimum illumination, these can be controlled individually.
For easy cleaning, all side supports can be removed.

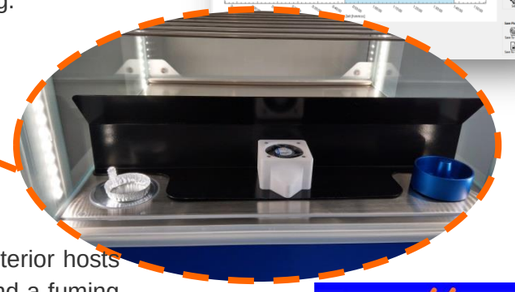
Touch Panel Display & Process Data Logger

The control system of ***MEGAfume*** interacts with the user via a multilingual colour touch panel display.
Multiple user pre-programmable cycles allow variations in the development reflecting the type of evidence and development chemical.

MEGAfume **is suitable for fluorescent and non-fluorescent cyanoacrylates in liquid and in powder form.**

An integrated USB data logger records all parameters, relevant to the development and allows transfer to a programme for later graphical representation for quality management and monitoring.





Humidifier, Circulation Fan & Fuming Plate

The even and plain stainless steel bottom of the ***MEGAfume*** interior hosts the removable water tank of the humidifier (in the picture left) and a fuming plate for the development chemical (in the picture right).
Also the circulation fan and the air baffle can be removed for easy cleaning.

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With the first model of the ***MEGAfume*** family, Attestor Forensics presents an all new range of cyanoacrylate fuming chambers for the development of latent fingerprints on non-porous surfaces.

Initially started with the floor standing model ***MEGAfume M61*** (picture top right) the series has been expanded by the benchtop version ***MEGAfume S61***. Additional and differently sized models are planned.. All models within the ***MEGAfume*** series will draw on the same innovative design details, which take account of the increasing focus on standardisation, quality monitoring and especially DNA safety.

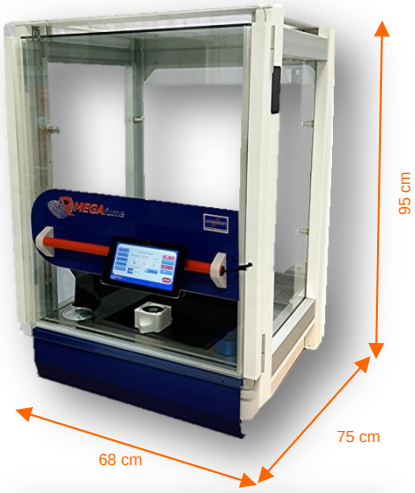
The construction features an exoskeleton which allows the surfaces of the inside walls to be made completely from plane safety glass. An internal mechanical structure is not required. Grills and hanging rods are made from high quality stainless steel, resisting also the DNA decontamination with corrosive cleaning agents. All of this, including the supports for grills and rods, the water reservoir for the humidifier as well as the circulation fan and the air guiding baffle can be completely removed from the cabinet without the need of tools. This makes cleaning and DNA decontamination outstandingly easy.

The entire development of latent prints from humidification to the final removal of fume remains from the air inside the cabinet can whether be activated fully automatic or manual. Several pre-programmable cycles allow setting the parameters for various development chemicals or evidence type. This allows standardised, quality and performance monitored variations in the development but yet by one-button-operation.

An capsuled, dust-free activated filter cartridge filters the air inside after fuming. A novel filter management system, considering amount and type of chemical ensures efficient and safe utilisation of the full filter capacity.
A multilingual colour touch panel display guides the user through the process via graphical and clear text messages and even assist routine service tasks like filter replacement by pictured and interactive guidelines.

MEGAfume also features a process protocol system which continuously logs all development parameters in a traceable way for quality documentation.

A range of further design features complement the innovative ***MEGAfume*** concept.
For more details please contact us.



Technical Data

	MEGAfume S61	MEGAfume M61
Exterior Dims (HxWxD)	95 x 68 x 75 cm (on height adjustable feet, incl. control display)	195 x 68 x 75 cm (on casters, incl. control display)
Interior Dims (HxWxTD)	75 x 58 x 61 cm	125 x 58 x 61 cm
Levels	2	4
Fuming Temperature	100°C - 230° C	
Humidity Range	60 – 90% RH	
Integrated Illumination	LED illumination (cold light) (one LED stripe along the full height in each corner)	
Air Filter System	Integrated Activated Carbon Filter Cassette (approx.180 cycles, with standard amount of pure cyanoacrylate)	Integrated Activated Carbon Filter Cassette (approx.120 cycles, with standard amount of pure cyanoacrylate)
Electrical Data		
Voltage:	230V/50Hz AC (ap115V / 60 Hz in preparation)	
Power:	max. 500 W	
Current:	ca. 5 A	

Authorised Reseller:

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