

MOBIfume CY500

The development of fingerprints on non-porous surfaces in special fuming chambers using pure cyanoacrylate (superglue) or one of the fluorescent one-step derivatives is a long used standard in daily laboratory practice.

More and more this technique is used in a mobile version also directly at the crime scene, in fuming tents or specially designed fuming rooms. It enables fingerprint fuming throughout complete crime scene rooms. But also individual large objects for which dismantling and transportation to the laboratory without destroying fingerprints would be difficult or impossible or which simply wouldn't fit into a conventional fuming chamber, can be processed in a tent or e.g. a garage, converted into a large size fuming room.

MOBIfume CY500 by Attestor Forensics is a novel system for mobile fingerprint fuming. Dismantling of bulky pieces of evidence and transportation to the laboratory is no longer necessary.

MOBIfume is designed as a modular system and consists of one or multiple units. Each unit features an own humidifier with a humidity sensor and a powerful circulation fan for even distribution of humidity and the fumed cyanoacrylate. The same fan is also used by the integrated activated carbon filter cartridge which after the development process is used to clean the air in the development area. The entire system can be easily and without tools be opened for cleaning (see pictures inner pages).

The user controls the system via a touch panel tablet. This is connected with the individual components via a radio link. Control cables into the area of fuming and airtight sealing of the access points is no longer required.

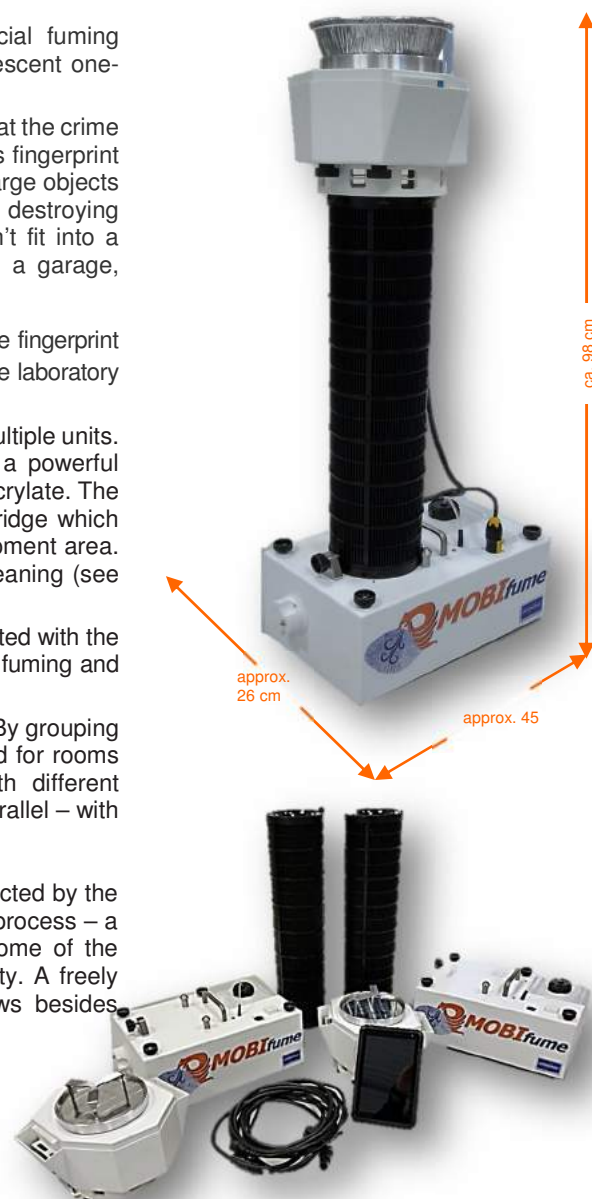
Each MOBIfume unit is suitable for a room size of approx. 50-60 m³. By grouping them into one or several functional groups the system can be scaled for rooms with almost unlimited size. But also forming several groups with different parameters is possible, allowing the treatment of several rooms in parallel – with the same parameters or with different parameters.

The system controls the ambient humidity to a value that can be selected by the user and even keeps this value maintained during the entire fuming process – a quality aspect especially with complex rooms or vehicles where some of the surfaces are semi-porous or porous which will influence the humidity. A freely adjustable fuming temperature with very large fuming plates allows besides standard cyanoacrylate the use with a big variety fluorescent or non-fluorescent cyanoacrylate derivatives in liquid or powder form.

The fully functional basic kit features:

- 1x **MOBIfume** unit with humidifier, cyanoacrylate fuming plate and air filter system
- Set of connection cables for each **MOBIfume** unit
- Control Tablet with touch screen operation and wireless link into the fuming room
- Transport bags made from sturdy and easy to clean tarpaulin

For scaling of the system, individual, single **MOBIfume** units are available.



MOBIfume CY500



Mobile Cyanoacrylate-Fuming System

for the development of fingerprints
at the crime scene, in fuming rooms or tents

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Special Version Black Edition

MOBIfume is (like the Attestor Forensics fuming cabinet series **MEGAfume**) available as a special edition **Black Series**.

In this version all metal parts of the humidifier and fuming units, usually powder coated in white colour, will be coated with a special black anti-static coating that Cyanoacrylate will not adhere to.

This special coating makes cleaning even more simple and rapid.



Cleaning and Transport

MOBIfume can be opened for easy cleaning without tools (see image above).

After use, the **MOBIfume** is stowed and transported in four easily cleanable transport Bags from sturdy tarpaulin (see image right).



MOBIfume filters out residual cyanoacrylate from the air within the fuming area after fingerprint development. For this it uses a standardized, price efficient cartridge with activated carbon which ensures high cleaning performance and can be replaced by the user easily. A modern filter management system ensures high health & safety standards at any time.

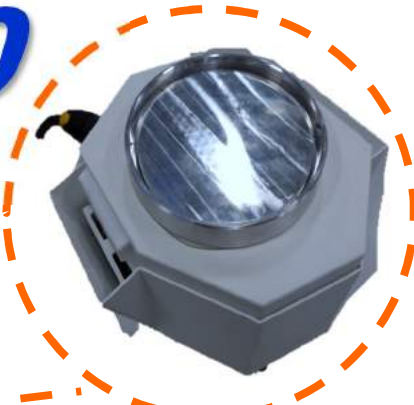
Air Cleaning System

MOBIfume CY500

Cyanoacrylate Fuming

Each **MOBIfume** unit is fitted with a separate, large size fuming plate with adjustable fuming temperature. Besides standard cyanoacrylate this enables the system also to be used with a variety of fluorescent and non-fluorescent cyanoacrylate derivatives in liquid as well as in powder form.

Flexible and programmable parameters provide a future-proof instrument for the current variety of different treatments and procedures in use today and but future proof the **MOBIfume** for any new treatment process that require different temperatures and humidity.



Control Tablet with Touch Screen Operation

MOBIfume is controlled via a graphical user interface on a touch panel tablet. The tablet is connected wire-less to the individual humidifier and fuming unit inside the fuming area via a radio link. Fitting control cables to the room and between the individual units is no longer required.

For unsuitable building situations, control can optionally be established via cable.



Scaled & Parallel Operation

Multiple **MOBIfume** units can be grouped together or be operated in parallel. Crime scenes with almost no limit in size can be treated when scaled together.

Additionally **MOBIfume** allows operating several independent groups with the same or with different parameters (e.g. for different fuming chemicals or different room geography) but still to monitor and control everything via one control tablet.

Multiple rooms can be fumed by this at the same time which reduces the time requirements at the crime scene and makes the system most versatile in use.



Humidity and Control

With a powerful integrated humidifier unit the **MOBIfume** raises the ambient humidity in the fuming area to optimum values and controls them throughout the entire process. An integrated water tank (in the image on the right side of the unit) offers enough capacity even for very large rooms. An adjustable nozzle (in the picture on the left side of the unit) allows to direct the airstream and keep it e.g. away from humidity sensitive surfaces.

