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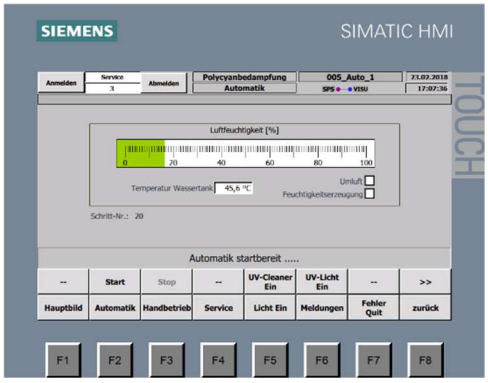
Cyanoacrylate Fuming Chamber VCA 300L, with Touch-Panel



The Cyanoacrylate Fuming Chamber with the new **Touch Panel** can be used to secure traces on all objects with non-porous surfaces.

Due to the new Touch Panel and its **easy handling** the fuming process can run through by automated operation or as before by manual operation – this can be chosen individually. In both cases the user can choose between standard or polycyano fuming. The parameters for the standard fuming are pre-set at 130°C and 80% relative humidity, for the polycyano fuming (Cat. No. 50637) the parameters are pre-set at 230°C and 90% relative humidity.

During the automated operation the relative humidity is produced first, then an acoustic signal indicates the start of the fuming process. After the end of the fuming process, the air cleaning inside the chamber can be activated by pressing a button. Optionally the chamber can be equipped with an **UV-Cleaner 254nm** (Cat. No. 53660) or with an **UVC-Lamp 254nm** (Cat. No. 53725). The UV-Cleaner cleans the air from DNA-fragments, microbes and bacteria, while the UVC-Lamp decontaminates the surfaces.

Security and safety while handling the fuming chamber are of great importance. The extended safety measures are for example the automatic closure of the door from the beginning of the fuming process to the end of the air cleaning process. Due to the integrated air cleaning system there is no need for a connection to an in-house exhaust-air system. The display shows automatically if a changing of the cyan-filter or the filling up of the water tank (used for the creation of humidity) is needed.

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Information regarding the fuming process:

Cyanoacrylate (ethyl cyanoacrylate) is a viscous glue which can be classified as superglue. Due to its polymerization capacity it is a remarkable hard and quickly hardening glue. Liquid cyanoacrylate generates vapours which react sensitively with certain components of latent fingerprints (tallow). This technique is effective on nearly all non-porous surfaces.
The visualisation of latent dactyloscopic traces with cyanoacrylate depends highly on the still present moisture within the dactyloscopic traces. Light radiation and warmth lead to an evaporation of the water within the traces. This process is partly reversible by humidity supply. Therefore, it is appropriate to improve a dactyloscopic trace before the treatment with cyanoacrylate by supplying humidity. A time period can neither for the moisture absorption of the trace nor for the development of the traces with cyanoacrylate be given. This is because there are too many different influencing impacts. The use of a comparative sample can be helpful while deciding on the time period. The contrast of the latent prints, which have been visualised by cyanoacrylate, can be further enhanced by applying a luminescent or non-luminescent stain.

Technical Data of the Cyanoacrylate Fuming Chamber

External Dimensions*:	
Width in mm	900
Height including Base Frame in mm	1900
Depth in mm	600

Internal Dimensions*:	
Width in mm	580
Height in mm	1250
Depth in mm	410

Weight	approx. 159 kg
Connected Load	230 V, 1,3 kW, 50 Hz
Air Cleaner (Ventilator), Type E 05	230 V / 140 W
- Volume Flow	10 m³/min
- Total Pressure Difference	Pa 430
Fan 2 units	230 V, 12 W
Illumination	230 V, 36 W
Heating Plate for Vaporisation	230 V, 350 W
Humidification	230 V, 512 W
Electronic Temperature Control	230 V
Electronic Moisture Control	230 V
Electronic Moisture Sensor	0-1 Volt
Nominal Current	6,0 A
Protection Fuse	16 A
Control Voltage	24 V DC
Partition Panel moveable	
Shelves and Hanging Rods made of Stainless Steel	
Material	
- Cabinet made of PP	
- Front Door made of laminated Safety Glass	
- Hanging Rods made of Stainless Steel	

*Other dimensions are possible! Manufactured in Germany

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