



POWDERado SH131

Working with fingerprint powders releases fine particulate dust into the working environment, which should not be inhaled.

POWDERado SH131 is a workstation, that contributes to the health and safety at a fingerprint expert's workplace. It provides an automated filter system, entirely independent from on-site ventilation. It is a perfect alternative to conventional fume hoods.

The working surface of **POWDERado SH131** is made from non-magnetic stainless steel. Below the working surface a combination of a pre-filter fleece and a fine particulate dust cassette H13 is used. The pre-filter keeps bigger dust particles off the H13 cassette and thus reduces the frequency of filtercassette replacement. The running costs remain low.

POWDERado SH131 is operated via a touch panel display to control the fan speed as well as the various illumination options.

POWDERado SH131 features a microcontroller system which offers a manual as well as an automatic mode. The fan automatically starts at low speed and the incident white illumination is switched on if any of the flaps is opened. If required, every 4 hours a short cleaning cycle can be run, which ensures that also fine dust particles, which only settle after a while, are removed from the air inside **POWDERado SH131**.

The system can be used as a desktop instrument but also with an optional wheeled trolley or an electrically height adjustable pillar stand.



POWDERado SH131



Downdraft Filter Workstation for Fingerprint Powder Application

Technical Data:

Dimensions (HxWxD; closed)	76cm x 80cm x 72cm 29.9" x 31.5" x 28.35"
Dimensions (HxWxD; front flap open)	130cm x 80cm x 72cm 51.2" x 31.5" x 28.35"
Dimensions (HxWxD; all flaps open)	130cm x 195cm x 72cm 51.2" x 76.8" x 28.35"
Operation hours Pre-Filter/Fine Particulate Cassette	25 hrs. / 200 hrs.
Voltage Supply:	110 – 230V AC / 50-60Hz
Current: (without optional accessory)	approx. 0,5 A on 230V approx. 1,0 A on 110V
Power Requirements: (without optional accessory)	max. 120 W
Weight (without optional accessory)	approx. 50 kg (110 lbs)
Supplied with the system	1 Fine Particulates Filter Cassettes, and 8 Pre-Filter mats

Optional add-ons and consumables:

- BUV131 Illumination Module UV/Pure White
- BEL131 Gooseneck Illumination Module
- UDS131 Sensor for Contamination Dependent Filter Replacement
- FUG131 Wheeled Rack
- UGS131 and UGE131 Electrically Height Adjustable Feet
- PHOT131 Fixing Frame for Photography Accessory
- EFP131 Replacement Filter Set
- AFA131 Activated Carbon Fleece Inserts

Authorised Distributor:

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POWDERado SH131 is developed as a desktop system. Optionally available is the wheeled rack **FUG131** with two shelf levels (picture on the right) as well as the electrically height adjustable stands **UGE131** resp. **UGS131** (identical but with memory positions). With these stands, the working height of **POWDERado** is adjustable between 81,5 cm and 130 cm (see picture on inner pages). For use during the photographic documentation of evidence, the system can be equipped with **PHOT131** (in the picture on the left) a fixing frame for photography accessory.

This is a product info brochure. Images might not be true to scale. Binding is solely the separately available technical specification.

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Benefits at a glance

Reduction of Dust Exposure

High user safety during the application of fingerprint powders.

Strong Downdraft Air Stream

Secure filtration of fine particulate dust, controllable in five steps + OFF.

Touch Panel Control

Control of the fan speed and various illumination options and display of the remaining filter life time with optical and acoustic alert for filter replacement.

Integrated Illumination

Illumination with two fluorescent tubes in basic version. Optional upgrade by replacement of the two white tubes by two UV-A fluorescent (365nm) tubes for work with fluorescent fingerprint powders plus additional powerful LED array illumination pure white (5000K).

Clean Storage

The all-around closeability and mini cleaning cycles in stand-by mode allow secure and safe storage without dust release into the laboratory environment. Thorough cleaning with each short break or work interruption is no longer necessary.

Variable Height

POWDERado SH 131 can be used as a desktop system (main picture in the centre) as well as on an optional electrically height adjustable pillar stand.



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Integrated Incident White Illumination

POWDERado SH 131 features an internal incident illumination. It can be programmed to automatically switch on, when any of the flaps is opened. It can also be manually controlled via the touch panel display.

Integrated UV Illumination

(optional)

POWDERado SH 131 can be equipped with an additional UV illumination. It can be used for the examination of evidence which has been treated with UV fluorescent chemicals. It is also operated via the touch panel display.

Available as further optional accessory is a pure white LED array illumination (5000K).

Touch Panel Control

POWDERado SH 131 communicates with the user via a touch panel display. Via this controls the fan speed as well as the various illumination options.

The touch panel display also informs the user about a due filter replacement for the pre-filter mat or the fine particulate filter cassette.



Stainless Steel Working Surface

The robust working surface of **POWDERado SH 131** as well as the side flap panels are made from non-magnetic stainless steel and are manufactured seamlessly and frameless for easy cleaning.

Pre-Filter and Fine Particulate Cassette

POWDERado SH 131 uses a combination of a pre-filter fleece F5 and a fine particulate cassette H13, located below the stainless steel working surface. The pre-filter mat prevents bigger particles to saturate the fine particulate filter cassette and thus reduces the operating costs. Optionally available is a sensor which indicates the filter replacement based on the actual level of filter contamination.

