



POWDERado SH131



Downdraft Filter Workstation

for Fingerprint
Powder Application



Benefits at a glance

Reduction of Dust Exposure

Filtration system helps remove harmful powder from the work area.

Strong Downdraft Air Stream

Secure filtration of fine particulate dust with five levels of air stream strength.

Touch Panel Display

Display gives the users complete control over fan speed and illumination options. The display also shows the remaining filter life and gives the user a visual and auditory prompt when the filter needs to be replaced.

Integrated Illumination

Integrated high intensity bright white LED strip illumination keeps your work surface well-lit. Optional LIGHTcube forensic light sources expand your viewing and photography options for working with a wide variety of fluorescent and non-fluorescent developers.

Clean Storage

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

Height Adjustable

POWDERado SH131 can be used as a stationary desktop system, on a rolling laboratory cart, or with a motorized height adjustable pillar stand for an ergonomic option, for more comfortable use.



POWDERado SH131



Pre-Filter and Fine Particulate Cassette

POWDERado SH131 uses a combination of a pre-filter fleece M5 and a fine particulate cassette H13, located below the stainless steel working surface. The pre-filter mat prevents larger particles from saturating the fine particulate filter cassette, which reduces operating costs. Our filter system is easy to maintain and filter replacement can be done quickly without any special tools or training.



Integrated Incident White Illumination

POWDERado SH131 features integrated white LED incident illumination, which can be programmed to automatically switch on when any of the flaps is opened, or manually controlled via the touch panel display.

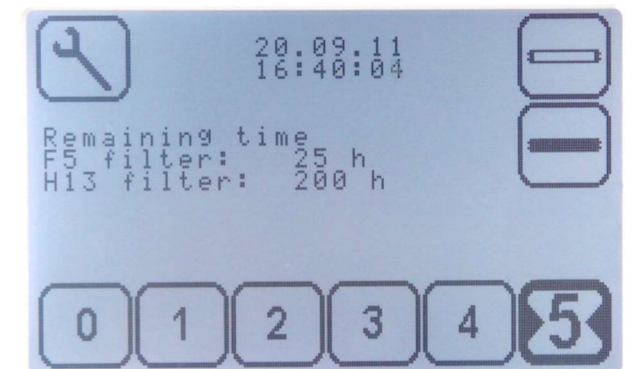
Additional Lighting Options

POWDERado SH131 can now be equipped with an adapter for LIGHTcube compatibility, expanding your lighting options. This adapter works with all our light sources, including our popular UV and royal blue options.



Touch Panel Control

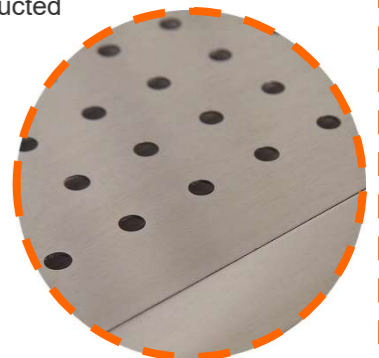
POWDERado SH131 gives the user total control via a simple user-friendly touch screen display panel. Fan speed, filter management, and illumination can all be controlled quickly and easily from this display. The display also tells the user how much filter life they have left and reminds them when the filter or pre-filter mat needs to be replaced.



Stainless Steel Working Surface

The robust working surface of **POWDERado SH131** and the side panels are constructed using smooth non-magnetic stainless steel.

Our seamless and frameless panel construction reduces powder and particulate residue on the work surfaces, making cleaning easy.





POWDERado SH131

Fingerprint powder is a common tool in forensics, but working with it can be messy and release fine particulates into the air that can be harmful if inhaled. **POWDERado SH131** is a workstation which contributes to the health and safety at a fingerprint expert's workplace by helping to remove these excess particulates from the air.

It provides an automated filter system, entirely independent from on-site ventilation, making it suitable for both laboratories and small offices that may not have dedicated ventilation systems. It is the perfect alternative to a conventional fume hood.

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 larger dust particles off the H13 cassette and thus reduces the frequency of filter cassette replacement, keeping operation costs low.

POWDERado SH131 is operated via a touch panel display to control the fan speed as well as the various illumination options. The fan automatically starts at low speed and the incident white illumination is switched on if any of the flaps is opened. Every 4 hours a short standby cleaning cycle can be run, which ensures that 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, with a rolling laboratory cart, or with a motorized height adjustable pillar stand.



Technical Data:

Dimensions (HxWxD; closed)	76cm x 80 cm x 72 cm 29.9" x 31.5" x 28.35"
Dimensions (HxWxD; front flap open)	130cm x 80cm x 72 cm 51.2" x 31.5" x 28.35"
Dimensions (HxWxD; all flaps open)	130 cm x 195 cm x 72 cm 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:

- UGS131 and UGE131 Electrically Height Adjustable Feet
- PHOT131 Mounting Frame for Photography Accessories
- EFP131 Replacement Filter Set
- AFA131 Activated Carbon Fleece Inserts
- Wheeled laboratory cart
- LIGHTcube modular forensic light sources
- LIGHTcube CONTROLBox
- LIGHTcube mounting system

Authorised Distributor:

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POWDERado SH131 is developed as a desktop system, optionally available with our rolling laboratory cart (right) as well as the electrically height adjustable stand **UGE131** (left). **UGE131** also gives you the option to save your height settings for more convenient height adjustment. With these stands, the working height of **POWDERado** is adjustable between 81.5 cm and 130 cm (see picture on inner pages). During the photographic documentation of evidence, the system can be equipped with **PHOT131** (in the picture on the left), a mounting frame for photography accessories.

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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