



## Cgrain Value™ CLEANING INSTRUCTION

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| Cgrain Value™<br>Type of activity<br>Cgrain Value Cleaning & maintenance | Version No.<br>1.12   | Page<br>1 (7)                                  |
|  | Prepared by<br>Tommy Kuure<br>Reviewed by<br>Nina Lindström | Date<br>2021-06-02<br>Approved by<br>Jaan Luup |

### Cleaning and maintenance

In addition to the cleaning below, no other maintenance should be performed by the user. The fixed parts of Cgrain Value must not be loosened or unscrewed by the user.

Cgrain AB accepts no liability for damages incurred in connection with services performed by personnel who are not trained for service by Cgrain .

Warning! No solid parts need to be removed for cleaning.  
Take special care not to touch the sockets on the rear panel.

Opening or loosening fixed parts may affect the warranty of the product.  
Cleaning the outside, dirt on the instruments outside is removed with a damp cloth.

Cleaning the lighting panels, background and camera  
Use Zeiss lens wipes





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The interior & inside of the Cgrain Value should be cleaned regularly of dust and debris.

This can be done by vacuuming gently and using a soft cloth to clean the vibrating bowl and the areas around it.

1. Vacuum clean LED lights & sensor and gently with plastic tube & brush.



Remove collecting frame and box to make it easier to access cleaning parts.

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## 2.Cleaning the mirrors

The instrument automatically cleans the mirrors during analysis when dust and debris get stuck in the mirrors. In addition, the mirrors must be cleaned manually.

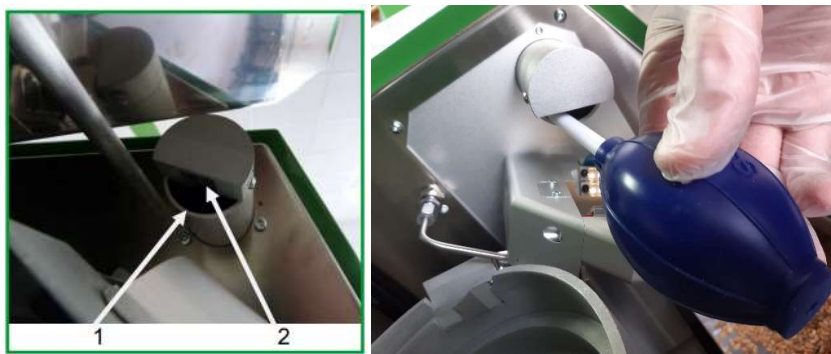


## 3.Use compressed air on the pipe to blow the mirrors clean of dust. Blow in the direction of the arrow. See picture below.



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4. Always use absolutely clean compressed air intended for photographic equipment, to gently blow into the camera tube opening, to free the camera lens from dust, see picture below, make sure nothing touches the lens itself.  
Clean with compressed air in the camera tube see arrow 1, be careful not to touch the camera lens,.



Wipe the camera prism with new Zeiss wipe, see arrow 2.  
Clean carefully Prisma with Zeiss wipe





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5.Clean all the lighting panels,with Zeiss wipe total 8 LED light glasses  
(2 lefts side, 2right side,2upper, 2 lower LED's)



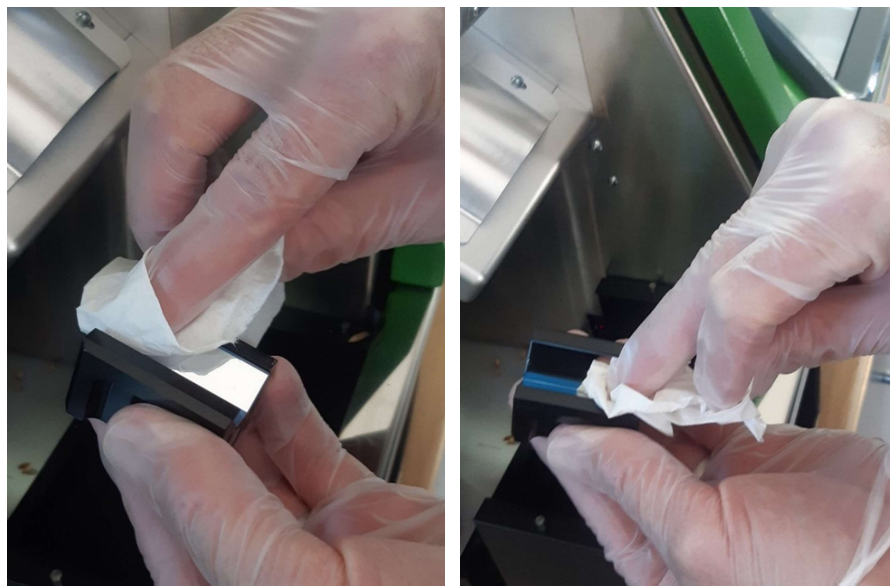


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6. Use Zeiss lens wipes to clean the inside of the rounded background plate.



7. Clean mirror with Zeiss wipe

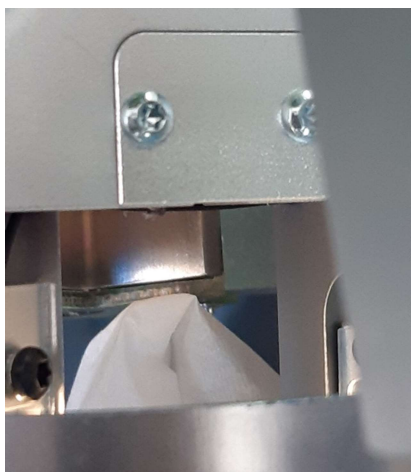
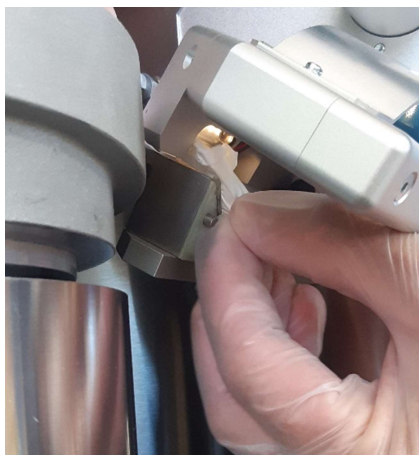




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8. Clean with Zeiss wipe the sensor.



Finally carefully mount the mirror back in position.  
Mount the collecting frame and box.