



valid until: November 7, 2030

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

BEC Robotics

CR\_Opener

**Report No. BE 2508-1660**

### Single product Particle Emission in Cleanroom (atmospheric)

### Qualification Certificate

This is to certify that the product mentioned above, provided by

**BEC Robotics**

Pfullingen, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number BE 2508-1660.

The CR\_Opener (color: silver) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions (room temperature:  $22^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$ ; relative humidity:  $45\% \pm 5\%$ ), it is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Class according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
Cycles: 20 per hour	3
Overall result	

Please note: Transport damages, incorrect installation, oil leakage, aging behavior, corrosion etc. can influence the test result.

This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued.

The document can be verified under [www.tested-device.com](http://www.tested-device.com).

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

BE 2508-1660  
Report No. first document

Stuttgart, November 7, 2025  
Place, date of first document issued

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Report No. current document

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Place, current date

on behalf of   
Dr.-Ing. Frank Bürger, head of business unit Testing and Certification



**Fraunhofer**  
IPA