



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

ABB

IRB 1200-8/0.9 Gen2

**Report No. AB 2506-1634**

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

## Qualification Certificate

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

**ABB Engineering (Shanghai) Ltd.**  
Shanghai, China

has been awarded a Fraunhofer certificate TESTED DEVICE  
bearing the report number AB 2506-1634.

The robot IRB 1200-8/0.9 Gen2 (color: white) 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 Classes  
according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
50 % of maximum velocity	4
100 % of maximum velocity	4
<b>Overall result</b>	<b>4</b>

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.

AB 2506-1634  
Report No. first document

Stuttgart, June 25, 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