



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

isel Germany AG  
robot IWH-BA13D14HDF-3  
**Report No. IS 1512-799**

### Particle Emission

### Qualification Certificate

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

**isel Germany AG**  
Eichenzell, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number IS 1512-799.

When operated under the specified test conditions, the robot IWH-BA13D14HDF-3 (color: silver-gray) is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Class according to ISO 14644-1:

Test parameter(s)	Area	Air Cleanliness Class
installed position: standing workload: 30 %	around dual arms	1
	beneath cover panel	5
<b>Overall result</b>		<b>5</b>

Provided it is installed in a standing position and encapsulated beneath the cover panel, the robot is suitable for use in cleanrooms fulfilling the specifications of the Air Cleanliness Class 1 according to ISO 14644-1 in the area around the dual arms when operated with the given test parameters.

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

Stuttgart, February 20, 2016

on behalf of   
Frank Bürger, Project manager Fraunhofer IPA

DUPLICATE

The validity of this certificate applies only to the mentioned product in this particular condition for a duration of 5 years.  
Further information:  
[www.tested-device.com](http://www.tested-device.com)