



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

KUKA Deutschland GmbH  
KMR iiwa omniMove CR  
**Report No. KU 1711-970**

### Particle Emission

### Qualification Certificate

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

**KUKA Deutschland GmbH**  
Augsburg, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number KU 1711-970.

The mobile robot KMR iiwa omniMove CR was assessed in compliance with ISO 14644-14. When operated under the specified test conditions, it is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Classes according to ISO 14644-1:

Capacity	Zones (above floor level)	Air Cleanliness Class		
		X-axis	Y-axis	Rotation
40 %	> 300 mm	2	1	1
	100 mm - 300 mm	1	1	1
	0 mm - 100 mm	1	4	1
80 %	> 300 mm	1	1	--
	100 mm - 300 mm	1	1	--
	0 mm - 100 mm	3	4	--
<b>Overall result</b>		<b>4</b>		

KU 1711-970  
Report No. first document

Stuttgart, July 30, 2018  
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, Project Manager Fraunhofer IPA

DUPLICATE

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.