

Fraunhofer

TESTED[®] DEVICE

KUKA Deutschland GmbH KR AGILUS-2 series

Report No. KU 2507-1650

Statement of Qualification

Product series
Electrostatic
Charge Behavior





Statement of Qualification • Product series

Customer

KUKA Deutschland GmbH Zugspitzstrasse 140 86165 Augsburg Germany

Tested product

Category: Automation Components

Subcategory: Robotics

Product name: KR AGILUS-2 series

Tested products:
• KR 6 R700-2

(manufacturing date: 3/2025; color: white; article number: 0010027948; serial number: 4613800; weight: 56kg; max. payload: 6kg; range: 726mm)

 KR 10 R1100-2 (manufacturing date: 3/2025; color: white; article number: 0010028057; serial number: 4613772; weight: 59 kg; max. payload: 10 kg; range: 1101 mm)

Measurement of charge behavior

Standards/guidelines:

Test equipment:

Test environment parameters:

Test parameters:

SFMI F78-0222

The norms stated generally refer to the version valid at the time of the tests.

- Airflow pattern: vertical laminar flow
 Temperature: 22 °C ±0.5 °C

Test result/Classification

The robot KR 6 R700-2 fulfills the permissible limit values of 5 V/cm (0.5 kV/m) for the sensitivity threshold 2033/7.7 nm according to SEMI E78-0222.

Electrostatic field				
Electrostatic level		Test result		
Year Node	Limit value [V/cm]	Mean value [V/cm]	Max. single value measured [V/cm]	
2033 7.7 nm	8.5	5	7	
Limit value:		fulfilled		

The robot KR 10 R1100-2 fulfills the permissible limit values of 4V/cm (0.4kV/m) for the sensitivity threshold 2033/7.7 nm according to SEMI E78-0222.

Electrostatic field				
Electrostatic level		Test result		
Year Node	Limit value [V/cm]	Mean value [V/cm]	Max. single value measured [V/cm]	
2033 7.7 nm	8.5	4	5	
Limit value:		fulfilled		

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

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

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

Business unit
Testing and Certification

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Stuttgart, November 10, 2025
Place, current date

on behalf of River

This document only applies to the named product in its original state and is valid for a period of 5 years from the current date the document was issued. The document can be verified under www.tested-device.com.

