



valid until: June 3, 2030

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

Franke GmbH  
LTD-0320

**Report No. FR 2410-1564**

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

### Qualification Certificate

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

**Franke GmbH**  
Aalen, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number FR 2410-1564.

The slewing ring with direct drive LTD-0320 was assessed in compliance with ISO 14644-14. When operated under the specified test conditions (room temperature: 22 °C ± 0.5 °C; relative humidity: 45 % ± 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
Installation position: 45° angle Travel distance: Endurance run Cycles per minute: 50 rpm Payload: 50 kg	7
<b>Overall result</b>	

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

FR 2410-1564  
Report No. first document

Stuttgart, June 3, 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

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.