



valid until: November 28, 2030

Fraunhofer

TESTED[®]

DEVICE

Butzbach GmbH
Mono TG
Report No. BU 2511-1687

Single product Particle Emission in Cleanroom (atmospheric)

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.

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

Qualification Certificate

This is to certify that the product mentioned above, provided by **Butzbach GmbH Industrietore**
Kellmünz, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number BU 2511-1687.

The industry door Novosprint Mono Tight (color: yellow) 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
Opposite side of the drive mechanism Cycles: $n = 1/\text{min}$ $v_o = 1.5 \text{ m/s}; v_c = 1.0 \text{ m/s}$	5
Side of the drive mechanism Cycles: $n = 1/\text{min}$ $v_o = 1.5 \text{ m/s}; v_c = 1.0 \text{ m/s}$	5
Control unit	3
Overall result	5

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

BU 2511-1687
Report No. first document

Stuttgart, November 28, 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