



valid until: November 28, 2030

Fraunhofer

TESTED[®] DEVICE

Butzbach GmbH
Mono TG

Report No. BU 2511-1687

Single product
Particle Emission
in Cleanroom
(atmospheric)

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

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.



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IPA