



valid until: December 12, 2030

Fraunhofer

TESTED[®] DEVICE

Beckhoff Automation
XPlanar APS4244+APM4330
Report No. BE 2511-1690

Single product Particle Emission in Cleanroom (atmospheric)

Qualification Certificate

This is to certify that the product mentioned above, provided by
Beckhoff Automation GmbH & Co. KG
Verl, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number BE 2511-1690.

The XPlanar Test Setup 2 x APS4244 + 1 x APM4330 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
v = 1 m/s a = 10 m/s ² Counts of mover on system: n = 1 Mover weight: m = 1.5 kg	1
Overall result	

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

BE 2511-1690
Report No. first document

Stuttgart, December 12, 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.