



valid until: December 12, 2030

# Fraunhofer

## TESTED<sup>®</sup> 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:  $22^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$ ;  
relative humidity:  $45\% \pm 5\%$ ), it is suitable for use in cleanrooms  
fulfilling the specifications of the following Air Cleanliness Class  
according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
$v = 1 \text{ m/s}$ $a = 10 \text{ m/s}^2$ Counts of mover on system: $n = 1$ Mover weight: $m = 1.5 \text{ kg}$	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](http://www.tested-device.com).

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



**Fraunhofer**  
IPA