



Fraunhofer

TESTED[®] DEVICE

Ergoswiss AG
SM 1440

Report No. ER 2305-1425

Single product Particle Emission

Qualification Certificate

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

Ergoswiss AG
Widnau, Switzerland

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number ER 2305-1425.

The spindle lift column SM 1440 in combination with controller
Compact-3-eco 230V was assessed in compliance with ISO
14644-14. When operated under the specified test conditions, 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
Stroke: s = 400 mm Velocity (up/down) v = 12 mm/s Payload: m = 200 kg Cycle time: 2 min on/ 18 min off	7
Controller	1
Overall result	7

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

ER 2305-1425
Report No. first document

Stuttgart, November 15, 2023
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, Project Manager Fraunhofer IPA

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.