





Fraunhofer TESTED® DEVICE Atlas Copco IT AB Controller MT Focus 400 A Report No. AT 1605-823

Statement of Qualification

Particle Emission

Statement of Qualification

Customer

Category:

Subcategory:

Product name:

Component tested

Atlas Copco Industrial Technique AB 105 23 Stockholm Sweden

Working Place and Operator

Control and drive unit MT Focus 400 A

(manufacturing date: 19/10/2015; color: black; serial number: E7770024)

Work Equipment

Test result/Classification

When operated under the specified test conditions, the control and drive unit MT Focus 400 A 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
operational status = in opertation	1
Overall result	1

Random sampling of particle emissions (airborne) at representative sites

Standards/Guidelines:	VDI 2083-9.1; ISO 14644-1 The norms stated generally refer to the version valid at the time of the tests.
Test devices:	Optical particle counter: LasAir II 110 and LasAir III 110 with measuring ranges $\ge 0.1 \mu$ m, $\ge 0.2 \mu$ m, $\ge 0.3 \mu$ m, $\ge 0.5 \mu$ m, $\ge 1.0 \mu$ m and $\ge 5.0 \mu$ m
Test environment parameters:	 Cleanroom Air Cleanliness Class (according to ISO 14644-1):ISO 1 Airflow velocity:
Test procedure parameters:	operational status:in opertation

The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

For further information about the test environment and parameters, please refer to the Fraunhofer IPA test report.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

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Department of Ultraclean Technology and Micromanufacturing

Nobelstrasse 12 70569 Stuttgart Germany

Place, current date

Frank Bürger, Project Manager Fraunhofer IPA







on behalf of Ron Brin

This document only applies to the named product in an unchanged state and is valid from the date of issue for a period of 5 years. The document can be verified under www.tested-device.com.