

Fraunhofer

TESTED[®] DEVICE

GIMATIC S.p.A.
Telescope suspension VSN1420
Report No. GI 1112-583

Statement of Qualification





Statement of Qualification

Customer: GIMATIC S.p.A.

Via Enzo Ferrari n. 2/4 25030 Roncadelle (BS)

Italy

Component tested:

Category: Automation Components

Subcategory: Positioning Systems

Type: Telescope suspension VSN1420

Random check measurements of particle emission (airborne) at representative points

Test procedure:

Measuring instruments being used:

Test parameters of the test environment:

Test parameters of the test execution:

According to VDI 2083 Part 9.1

Optical Particle Counter:

Model LasAir II 110 manufactured by PMS with measuring channels of $\geq 0.1 \, \mu m, \geq 0.2 \, \mu m, \geq 0.3 \, \mu m, \geq 0.5 \, \mu m, \geq 1.0 \, \mu m$ and $\geq 5.0 \, \mu m$

•	Cleanroom Air Cleanliness Class (according to ISO 14644-1): ISO 1
•	Air flow velocity:



The telescope suspension VSN1420 is suitable for use in cleanrooms fulfilling the Air Cleanliness Class 1.

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The measuring equipment used for the qualification is regularly calibrated and is based on national and international standards. In the case where no national standards exist, the measuring procedure used corresponds with technical regulations and norms valid at the time of the measurement. The documents drawn up for this procedure are available for viewing.

The validity of this certificate applies only to the mentioned product in this particular condition for a duration of 5 years.

Further information: **www.tested-device.com**.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

Department Ultraclean Technology and Micromanufacturing

Nobelstrasse 12 70569 Stuttgart Germany Stuttgart, April 20, 2012

Place, Date

i. A. D. Bring

