

# Fraunhofer

# TESTED® DEVICE

Gimatic S.r.l. Gripper MPXM2516 **Report No. GI 1501-746** 

Statement of Qualification

**Particle Emission** 





## **Statement of Qualification**

**Customer:** Gimatic S.r.l. Via Enzo Ferrari, 2/4 25030 Roncadelle - Brescia

**Component tested** 

Category: **Automation Components** 

Subcategory: Positioning Systems

Medium stroke gripper MPXM2516 Product name:

(Lot-No.: ODL-R03381; manufacturing date: 16/12/2013)

### Random sampling of particle emissions (airborne) at representative sites

Standards/Guidelines:

VDI 2083-9.1; ISO 14644-1

The norms stated refer to the relevant editions applicable at the time of

the tests.

Test devices:

Test environment parameters:

Test procedure parameters:

Optical particle counter:

LasAir II 110 & LasAir III 110 with measuring ranges  $\geq 0.1 \, \mu m$ ,  $\geq 0.2 \, \mu m$ ,  $\geq 0.3 \, \mu \text{m}$ ,  $\geq 0.5 \, \mu \text{m}$ ,  $\geq 1.0 \, \mu \text{m}$  and  $\geq 5.0 \, \mu \text{m}$ 

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

 Airflow pattern:.....vertical laminar flow 

Control unit: \_\_\_\_\_supplied by customer

• Cycles per minute:......30

### Test result/Classification:

(in acc. with ISO 14644-1)

Under the specified test conditions, the medium stroke gripper MPXM2516 is suitable for use in cleanrooms fulfilling the specifications of Air Cleanliness Class 7.



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.

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Stuttgart, March 27, 2015

Place, date of first document issued

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

