



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

GIMATIC S.r.l.  
Parallel gripper MPXM3220  
**Report No. GI 2003-1164**

### Single product Particle Emission

### Qualification Certificate

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

**Gimatic S.r.l.**  
Roncadelle, Italy

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number GI 2003-1164.

The extra stroke parallel gripper MPXM3220 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 Class according to ISO 14644-1:

Test parameter(s)	Air Cleanlines Class
Cycle time: 2.0s Working gripper time per cycle: 0.60s Load: none	6
<b>Overall result</b>	

During the running-in phase before the qualification measurement was performed, lubricant was found to be leaking from the moving parts of the test piece.

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

GI 1501-746                      Stuttgart, March 27, 2015  
Report No. first document      Place, date of first document issued

GI 2003-1164                      Stuttgart, October 20, 2020  
Report No. current document    Place, current date

on behalf of   
Dr.-Ing. Frank Bürger, Project Manager Fraunhofer IPA

DUPLICATE

This document only applies to the named product in its original state and is valid for a period of 5 years from the current date the 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.