



valid until: October 24, 2030

Fraunhofer

TESTED[®] DEVICE

Gimatic s.r.l.
Parallel gripper MPLM1630
Report No. GI 2510-1678

Single product
**Particle Emission
in Cleanroom
(atmospheric)**

Qualification Certificate

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

Gimatic s.r.l.
Roncadelle (BS), Italy

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number GI 2510-1678.

The long stroke parallel gripper MPLM1630 (color: black) was
assessed in compliance with ISO 14644-14. When operated under
the specified test conditions (room temperature: $22^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$;
relative humidity: $45\% \pm 5\%$), 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 Cleanliness Class
Installation position: vertical Cycle time: 2.0 s (1.0 s for opening; 1.0 s for closing) Working gripper time per cycle: 1.04 s Load: none	6
Overall result	

Lubricant is clearly visible on the exterior. Therefore, use of the
test piece in clean / hygienic areas is considered to be critical.
Please note: Transport damages, incorrect installation, oil leakage,
aging behavior, corrosion etc. can influence the test result.

GI 2003-1164 Stuttgart, October 20, 2020
Report No. first document Place, date of first document issued

GI 2510-1678 Stuttgart, October 24, 2025
Report No. current document Place, current date

on behalf of 
Dr.-Ing. Frank Bürger, head of business unit Testing and Certification

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.

Detailed information and
parameters of the test
environment can be found
in the Fraunhofer IPA test
report.



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