



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

igus GmbH  
Energy chain P4.32.15.150.0  
**Report No. IG 1303-640**

### Qualification Certificate

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

**igus GmbH**  
Cologne, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number IG 1303-640.

The energy chain P4.32.15.150.0 is suitable for use in cleanrooms fulfilling the Air Cleanliness Class 6 according to ISO 14644-1.

The visual inspection (according to VDI 2083-9.1) has shown abrasion on the moving parts of the energy chain caused by mechanical friction possibly resulting in the formation of large particles. Therefore the use of the energy chain in cleanrooms must be rated as critical.

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

Stuttgart, June 21, 2013

i.A.   
Project manager

DUPLICATE

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](http://www.tested-device.com)