

## Fraunhofer

## TESTED® DEVICE

J. Schmalz GmbH SWGm-6S 146x146x65

**Report No. SC 1606-831** 

## **Particle Emission**

**Qualification Certificate** 

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

## J. Schmalz GmbH

Glatten, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number SC 1606-831.

When operated under the specified test conditions, the wafer gripper SWGm-6S 146x146x65 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
operating pressure = 6 bar (ultra-pure compressed air) evacuation time = 12 s release time = 8 s cycles per minute = 3	1
Overall result	1

The concentration of particles in the handling area of the gripper is directly dependent on the quality of the compressed air and the pneumatic components. Venting of compressed air into the handling area of the gripper must be avoided.

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

Stuttgart, October 10, 2016

n behalf of A River Project manager Fraunhofer IPA

condition for a duration of 5 years. Further information: www.tested-device.com

The validity of this certificate

applies only to the mentioned product in this particular

