

Fraunhofer TESTED[®] DEVICE

Mobile Industrial Robots ApS MiR200 **Report No. MI 1805-1036**

Particle Emission

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



Qualification Certificate

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

Mobile Industrial Robots ApS Odense, Denmark

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number MI 1805-1036.

The mobile robot MiR200 (color: gray) 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 Classes according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
Parameter Set 1 (180°-straight-180°): Test load: m = 200 kg Velocity: $v_1 = 0.8 \text{ m/s}$ Acceleration: $a_1 = 0.5 \text{ m/s}^2$ Distance: $s_1 = 2 \text{ m}$	4
Parameter Set 2 (back – forth): Test load: m = 200 kg Velocity: $v_2 = 0.8 \text{ m/s}$ Acceleration: $a_2 = 0.5 \text{ m/s}^2$ Distance: $s_2 = 4 \text{ m}$	2
Overall result	4

MI 1805-1036

Report No. first document

Stuttgart, May 14, 2018 Place, date of first document issued

Report No. current document Place, current date



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