



Fraunhofer

TESTED[®] DEVICE

F & K DELVOTEC Bondtechnik GmbH
Wire Bonder M17 D
Report No. DE 1808-1060

Particle Emission

Qualification Certificate

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

F & K DELVOTEC Bondtechnik GmbH
Ottobrunn, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number DE 1808-1060.

The Ultrasonic Wire Bonder M17 D Indexer 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
Exterior	6
Product area	4
Machine interior	6
Overall result	6

Visible abrasion has occurred on the exterior of the system. The impact of the release of airborne particles could be demonstrated.

DE 1808-1060
Report No. first document

Stuttgart, October 15, 2018
Place, date of first document issued

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Report No. current document

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Place, current date

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

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.