



Fraunhofer

TESTED[®] DEVICE

ETS GEORGES RENAULT
ERXS50

Report No. DE 2503-1602

Single product Particle Emission in Cleanroom (atmospheric)

Qualification Certificate

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

ETS GEORGES RENAULT
Saint Herblain, France

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number DE 2503-1602.

The screwdriver ERXS50 in combination with Controller for ERXS screwdriver and Power Supply for CVIXS controller 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 Classes according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
Screwdriver: <ul style="list-style-type: none">• Installation position = horizontal• max. velocity = 500 rpm• Tightenings/min = 15	5
Controller	1
Power supply	2
Overall result	5

Please note: Transport damages, incorrect installation, oil leakage, aging behavior, corrosion etc. can influence the test result.

DE 1802-1007 Stuttgart, March 28, 2018
Report No. first document Place, date of first document issued

DE 2503-1602 Stuttgart, April 4, 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.