DAkkS
Deutsche
Akkreditierungsstelle

Accreditation

The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that the testing laboratory

Schenck RoTec GmbH
Landwehrstraße 55, 64293 Darmstadt

meets the requirements according to DIN EN ISO/IEC 17025:2018 for the conformity assessment activities listed in the annex to this certificate. This includes additional existing legal and normative requirements for the testing laboratory, including those in relevant sectoral schemes, provided they are explicitly confirmed in the annex to this certificate.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

This accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This accreditation certificate only applies in connection with the notices of 25.04.2024 with accreditation number D-PL-17225-01.
It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 03 pages.

Registration number of the accreditation certificate: **D-PL-17225-01-00**

Berlin, 25.04.2024
David Grünewald, M. Sc.
Head of Technical Unit

Translation issued:
25.04.2024
David Grünewald, M. Sc.
Head of Technical Unit

The certificate together with the annex reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH (www.dakks.de).

This document is a translation. The definitive version is the original German accreditation certificate.

See notes overleaf

Deutsche Akkreditierungsstelle GmbH

Office Berlin
Spittelmarkt 10
10117 Berlin

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Europa-Allee 52
60327 Frankfurt am Main

Office Braunschweig
Bundesallee 100
38116 Braunschweig

The Deutsche Akkreditierungsstelle GmbH (DAkkS) is the entrusted national accreditation body of the Federal Republic of Germany according to § 8 section 1 AkkStelleG in conjunction with § 1 section 1 AkkStelleGBV. DAkkS is designated as the national accreditation authority by Germany according to Art. 4 Para. 4 of Regulation (EC) 765/2008 and clause 4.7 of DIN EN ISO/IEC 17000.

Pursuant to Art. 11 section 2 of Regulation (EC) 765/2008, the accreditation certificate shall be recognised as equivalent by the national authorities within the scope of this Regulation as well as by the WTO member states that have committed themselves in bilateral or multilateral mutual agreements to recognise the certificates of accreditation bodies that are members of ILAC or IAF as equivalent.

DAkkS is a signatory to the multilateral agreements for mutual recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Co-operation (ILAC).

The up-to-date state of membership can be retrieved from the following websites:
EA: www.european-accreditation.org
ILAC: www.ilac.org
IAF: www.iaf.nu

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-17225-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: **25.04.2024**

Date of issue: 25.04.2024

Holder of accreditation certificate:

Schenck RoTec GmbH
Landwehrstraße 55, 64293 Darmstadt

with the location

Schenck RoTec GmbH
Prüflabor für Auswuchttechnik
Landwehrstraße 55, 64293 Darmstadt

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

Tests in the fields:

Geometry, mass and unbalance of working standards for unbalance measurement rotation speed and vibration velocity of unbalance measuring and spin test systems as well as unbalance measurements in balancing machinery and equipment each including on-site testing

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at https://www.dakks.de.

Within the scope of accreditation marked with *, the calibration laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use calibration standards or equivalent calibration procedures listed here with different issue dates.

The calibration laboratory maintains a current list of all calibration standards / equivalent calibration procedures within the flexible scope of accreditation.

Testing Field	Standard/ In-House Procedere/ Version	Title of Standard or In-House Procedere (Deviations / Modifications of Standard)	Test Range/ Restrictions
Machinery	ISO 21940-21* 2012-07	Mechanical vibration – Rotor balancing Part 21: Description and Evaluation of Balancing machines	Geometry
	SAE ARP 4162* 2017-03	Balancing machine proving rotors	
	ISR BS 100 2019-01	Working standards for balancing technique: Determination of geometric properties	
Machinery	ISO 21940-21* 2012-07	Mechanical vibration – Rotor balancing Part 21: Description and Evaluation of Balancing machines	Mass
	SAE ARP 4162* 2017-03	Balancing machine proving rotors	
	ISR BS 200 2019-01	Working standards for balancing technique: Determination of mass	
Machinery	ISO 21940-21* 2012-07	Mechanical vibration – Rotor balancing Part 21: Description and Evaluation of Balancing machines	Unbalance
	SAE ARP 4162* 2017-03	Balancing machine proving rotors	
	ISR BS 300 2019-01	Working standards for balancing technique: Determination of unbalance properties	
Machinery	ISR BS 400 2019-01	Unbalance measuring and spin tester systems: Determination of rotational speed	Rotation Speed
Machinery	ISR BS 500 2019-01	Machines and equipment for balancing technique: Determination of the vibration velocity	Vibration Velocity

Testing Field	Standard/ In-House Procedere/ Version	Title of Standard or In-House Procedere (Deviations / Modifications of Standard)	Test Range/ Restrictions
Machinery	ISO 21940-21* 2012-07	Mechanical vibration – Rotor balancing Part 21: Description and Evaluation of Balancing machines	Unbalance Measurement System
	DIN ISO 21940-21 Beiblatt 1* 2020-11	Supplement 1: Statistical quality capability parameters for assessment of the unbalance measuring process	
	SAE AS 8617* 2020-08	Balancing Machines – Verification Test Requirements	
	SAE ARP 4048* 2020-05	Balancing machines – Description and evaluation Horizontal, two-plane, hard-bearing type for gas turbine rotors	
	SAE ARP 4050* 2017-02	Balancing machines – Description and evaluation Vertical, two-plane, hard-bearing type for gas turbine rotors	
	SAE ARP 5323* 2017-02	Balancing machines – Description and evaluation Vertical, single-plane, hard-bearing type for gas turbine rotors	
	SAE ARP 6217* 2020-05	Balancing machines – Description and evaluation Vertical, single-plane, non-rotating type for gas turbine rotors	
	ISR BS 600 2023-10	Machines and equipment for balancing technique: Test of the unbalance measuring system	

Abbreviations used:

DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation
ISR BS	International Schenck RoTec Balancing Standard
SAE AS	Society of Automotive Engineers Aerospace Standard
SAE ARP	Society of Automotive Engineers Aerospace Recommended Practice