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

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