DATech Deutsche Akkreditierungsstelle Technik in der TGA GmbH
Signatory of the Multilateral Agreement of EA and ILAC for the mutual recognition

represented in the

Deutschen AkkreditierungsRat

Akkreditierung

The **TGA GmbH,** represented by the **DATech Deutsche Akkreditierungsstelle Technik in der TGA GmbH**, confirms that the Testing Laboratory

SCHENCK RoTec GmbH
Landwehrstraße 55
64293 Darmstadt
Germany

is competent under the terms of DIN EN ISO/IEC 17025:2005 to carry out testing in the fields of

Geometry, Mass and Unbalance of Working Standards for Unbalance Measurement
Rotation Speed and Vibration Velocity in Unbalance Measurement and Spin Test Systems
as well as
Unbalance Measurement System in Balancing Machinery and Equipment
each including On-Site-Inspections

according to the annexed list of standards and specifications.

The accreditation is valid until: **2014-04-19**

The annex is deemed part of this certificate and comprises **2** pages.

DAR-Registration No.: **DAT-PL-292/09-00**

Frankfurt/Main, 2009-04-20

Correctness of the english translation confirmed: Frankfurt/Main, 2009-04-20

i.V. Dipl.-Ing. (FH) R. Egner
Head of the Accreditation Body

Member in EA, ILAC, IAF

DATech Deutsche Akkreditierungsstelle Technik in der
TGA – Trägergemeinschaft für Akkreditierung German
Association for Accreditation GmbH
Gartenstrasse 6
D-60594 Frankfurt am Main

This accreditation has been awarded on the basis of an assessment and pursuant to the agreement concluded with the accreditation bodies with respect to the accreditation of a testing laboratory in accordance with the rules and procedures of the German Accreditation System, in conformity with the European standards DIN EN ISO/IEC 17025:2005 and DIN EN ISO/IEC 17011:2005.

The requirements in terms of materials and personnel as specified in DIN EN ISO/IEC 17025 for the specific tests indicated in the accreditation certificate, as well as for the procedures described in the annex to the accreditation certificate, have been met.

Details on the scope of the accreditation (test fields, procedures and specifications) are given in the annex to this accreditation certificate.

The annex and the documents submitted in connection with the accreditation are deemed to form an integral part of it. Any amendments are to be made in writing.

The accreditation is awarded subject to revocation at any time on the fundamental change or lapse of any conditions defined in the agreement and in the annex to this accreditation certificate.

Anlage zur Akkreditierungsurkunde DAT-PL-292/09-00 vom 20.04.2009
Annex to the accreditation certificate

Inhaber der Akkreditierungsurkunde:
Holder of this accreditation certificate:

SCHENCK RoTec GmbH
Landwehrstraße 55
64293 Darmstadt
Germany

Der Geltungsbereich der Akkreditierung erstreckt sich auf die nachstehend genannten Gebiete und zugehörigen Prüfbereiche:
The scope of this accreditation indicates:

Prüfbereich ***Scope of test***	**Norm*** ***Standard****	**Beschreibung** ***Description***
Geometrie *Geometry*	ISO 2953	*Mechanical vibration - Balancing machines - Description and evaluation*
	SAE ARP 4162	*Balancing machine proving rotors*
	ISR BS 100	Prüfen der Geometrie von Gebrauchsnormalen zur Unwuchtmessung *Testing of the geometry of working standards in use for unbalance measurement*
Masse *Mass*	ISR BS 200	Prüfen der Masse von Gebrauchsnormalen zur Unwuchtmessung *Testing of the mass of working standards in use for unbalance measurement*
Unwucht *Unbalance*	ISR BS 300	Prüfen der Unwucht von Gebrauchsnormalen zur Unwuchtmessung *Testing of the unbalance of working standards in use for unbalance measurement*
Drehzahl *Rotation speed*	ISR BS 400	Prüfen der Drehzahl an Unwuchtmess- und Schleudersystemen *Testing of the rotation speed in unbalance measurement and spin test systems*
Schwingge-schwindigkeit *Vibration velocity*	ISR BS 500	Prüfen der Schwinggeschwindigkeit an Maschinen und Anlagen der Auswuchttechnik *Testing of the vibration velocity in balancing machinery and equipment*

* ISO = International Organization for Standardization
SAE ARP = Society of Automotive Engineers Aerospace Recommended Practice
ISR BS = International Schenck RoTec Balancing Standard

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Faustmann

Anlage zur Akkreditierungsurkunde DAT-PL-292/09-00 vom 20.04.2009
Annex to the accreditation certificate

Prüfbereich ***Scope of test***	**Norm*** ***Standard****	**Beschreibung** ***Description***
Unwuchtmess-system	ISO 2953	*Mechanical vibration - Balancing machines - Description and evaluation*
unbalance measurement system	DIN ISO 11342	Mechanische Schwingungen - Verfahren und Kriterien für das mechanische Auswuchten nachgiebiger Rotoren *Mechanical vibration – Methods and criteria for the mechanical balancing of flexible rotors*
	SAE ARP 4048	*Balancing machines - Description and evaluation horizontal, two-plane, hard-bearing type for gas turbine rotors*
	SAE ARP 4050	*Balancing machines - Description and evaluation vertical, two-plane, hard-bearing type for gas turbine rotors*
	SAE ARP 5323	*Balancing machines - Description and evaluation vertical, single-plane, hard-bearing type for gas turbine rotors*
	ISR BS 600	Prüfen des Unwuchtmesssystems an Maschinen und Anlagen der Auswuchttechnik *Testing of the unbalance measurement system in balancing machinery* and *equipment*

* ISO = International Organization for Standardization
SAE ARP = Society of Automotive Engineers Aerospace Recommended Practice
ISR BS = International Schenck RoTec Balancing Standard

Für die fachliche Richtigkeit der Prüfberichte verantwortlich:
Technical responsibility for the test reports:

Herr Konrad Kankowsky	Leiter des Prüflabors
Herr Michael Bassmann	Stellv. Leiter des Prüflabors
Herr Thomas Wanke	Fachexperte für Universal-Auswuchtmaschinen und Airlines-Anwendungen
Herr Rainer Schulz	Fachexperte für hochtourige Auswucht- und Schleuderanlagen

Die Akkreditierung gilt nur für Produkte, deren Prüfung, Zertifizierung und/oder Inspektion durch Drittstellen nicht durch Rechtsvorschriften vorgeschrieben sind.
The accreditation is valid for products which are not mandatory to be tested, certified and/or inspected by third parties.

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