

Certificate

Standard

EN 9100:2018

equivalent to AS 9100D and JISQ 9100:2016, including ISO 9001:2015

Certificate Registr. No. 01 117 080051

Certification Structure: Serval Site

Certificate Holder:

Leistritz 

Leistritz Turbinentechnik GmbH

Lempstr. 24
42859 Remscheid
Germany

including the locations according to annex

Scope:

Forging, machining and sales of compressor and turbine airfoils for aero-engines and power generation applications as well as forging and machining of compressor and turbine discs for aero-engines

An audit was performed in compliance with EN 9104-001:2013. Proof has been furnished that the requirements according to EN 9100:2018 are fulfilled.

Validity:

Issue date: 2018-10-20

Expiry date: 2021-10-19

First certification 2009

2018-10-08



TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

Annex to certificate

Standard **EN 9100:2018**

Certificate Reg. No. 01 117 080051

No.	Location	Scope
/01	- Central Function - Leistriz Turbinentechnik GmbH Lempstr. 24 42859 Remscheid • Germany	Machining and Sales of compressor and turbine airfoils for aero-engines and power generation applications as well as machining of compressor and turbine discs for aero-engines
/02	Leistriz Turbinentechnik GmbH Papenberger Str. 37 42859 Remscheid • Germany	Forging of compressor and turbine airfoils for aero-engines and power generation applications as well as forging of compressor and turbine discs for aero-engines
/03	Leistriz Turbinske Komponente Belisce d.o.o. Trg Starcevic Ante 1 31551 Belisce • Croatia	Grinding / polishing of blades and vanes for aero engine and power generation application
/04	Leistriz (Thailand) Ltd. 789/117 Moo 1 Pinthong Industrial Estate 1 T. Nhongkham, A. Sriracha Chonburi 20110 • Thailand	Forging of compressor airfoils for aero-engines
/05	Leistriz Turbinentechnik Nürnberg GmbH Markgrafenstr. 29-39 90459 Nürnberg • Germany	Production and sales of components for turbines and aero-engines
/06	Leistriz (Thailand) Ltd. 789/154 Moo 1 Pinthong Industrial Estate 1 T. Nhongkham, A. Sriracha Chonburi 20230 • Thailand	Goods receiving, receiving inspection and stocking of raw material and consumables, cutting of material and manufacturing, maintenance and repair of tooling (forging dies)

2018-10-08

K. Dierkes

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln



CERTIFICATE

ENVIRONMENTAL MANAGEMENT

The company

Leistritz Turbinentechnik GmbH

Lempstr. 24

42859 Remscheid

Werk1: Papenberger Straße 37, D-42859 Remscheid

Werk 2: Lempstraße 24, D-42859 Remscheid

has introduced and implemented an

Environmental Management System

for the scope:

**Forging and machining of compressor and turbine airfoils for aeroengines
and power generation applications as well as forging and machining of
compressor and turbine disks for aeroengines**

Proof has been furnished that the requirements according to

DIN EN ISO 14001 : 2015

are fulfilled.

Compliance with the above standard was ascertained by an environmental audit.

This certificate is valid from September, 15th 2018 until August, 30th 2019.

ESC Cert GmbH

Kassel, September, 12th 2018

Certificate-No.: 42859/08-18_a

Dr. Ralf Rieken

Head of the Certification Office

ESC Cert GmbH, Teichstraße 14, D-34130 Kassel



C E R T I F I C A T E

E N E R G Y M A N A G E M E N T



The company

Leistritz Turbinentechnik GmbH
Lempstr. 24
42859 Remscheid

Werk 1: Papenberger Straße 37, D-42859 Remscheid
Werk 2: Lempstraße 24, D-42859 Remscheid

has introduced and implemented an
Energy Management System

for the scope:

**Forging and machining of compressor and turbine airfoils for
aeroengines and power generation applications
as well as forging and machining of compressor
and turbine disks for aeroengines**

Proof has been furnished that the requirements according to

DIN EN ISO 50001 : 2011

are fulfilled.

Compliance with the above standard was ascertained by
an energy-audit.

This certificate is valid from November, 9th 2016 until November, 8th 2019.

ESC Cert GmbH

Kassel, November, 9th 2016

Certificate No.: 42859/10-16_a

Dr. Ralf Rieken
Head of the Certifying Authority

ESC Geschäftsstelle, Teichstraße 14 D-34130 Kassel



C E R T I F I C A T E

O C C U P A T I O N A L S A F E T Y M A N A G E M E N T



The company

Leistritz Turbinentechnik GmbH
Lempstr. 24
42859 Remscheid

Werk1: Papenberger Straße 37, D-42859 Remscheid
Werk 2: Lempstraße 24, D-42859 Remscheid

has introduced and implemented an

Occupational Safety Management System

for the scope:

**Forging and machining of compressor and turbine airfoils for
aeroengines and power generation applications as well as forging
and machining of compressor and turbine disks for aeroengines**

Proof has been furnished that the requirements according to

OHSAS 18001 : 2007

are fulfilled.

The audit observations are described in the audit report: 42859/08-17.
This certificate is valid from October, 12th 2017 until October, 11th 2020.

ESC Cert GmbH

Kassel, August, 30th 2017

Dr. Ralf Rieken

Head of the Certifying Authority

ESC Geschäftsstelle, Teichstr. 14, D-34130 Kassel



Deutsche Akkreditierungsstelle GmbH

Anlage zur Akkreditierungsurkunde D-PL-19226-01-00 nach DIN EN ISO/IEC 17025:2018

Gültig ab: 07.12.2018

Ausstellungsdatum: 07.12.2018

Urkundeninhaber:

LEISTRITZ Turbinentechnik GmbH
Lempstraße 24, 42859 Remscheid

Prüfungen in den Bereichen:

mechanisch-technologische und metallographische Prüfungen an Turbinenkomponenten

verwendete Abkürzungen: siehe letzte Seite

Dem Prüflaboratorium ist, ohne dass es einer vorherigen Information und Zustimmung der DAkKS bedarf, die Anwendung der hier aufgeführten genormten oder ihnen gleichzusetzenden Prüfverfahren mit unterschiedlichen Ausgabeständen gestattet. Das Prüflaboratorium verfügt über eine aktuelle Liste aller Prüfverfahren im flexiblen Akkreditierungsbereich.

Mechanisch-technologische Prüfungen

DIN EN ISO 6506-1 2015-02	Metallische Werkstoffe - Härteprüfung nach Brinell
ASTM E 10 2017	Standard Test Method for Brinell Hardness of Metallic Materials
DIN EN ISO 6507-1 2018-07	Metallische Werkstoffe - Härteprüfung nach Vickers
ASTM E 384 2017	Standard Test Method for Microindentation Hardness of Materials

verwendete Abkürzungen: siehe letzte Seite

Anlage zur Akkreditierungsurkunde D-PL-19226-01-00

DIN EN ISO 6508-1 2016-12	Metallische Werkstoffe - Härteprüfung nach Rockwell - Teil 1: Prüfverfahren (hier: <i>Skale C</i>)
ASTM E 18 2017	Standard Test Methods for Rockwell Hardness of Metallic Materials (hier: <i>Skale C</i>)
DIN EN ISO 6892-1 2017-02	Metallische Werkstoffe - Zugversuch - Teil 1: Prüfverfahren bei Raumtemperatur
DIN EN 2002-001 2007-08 + Berichtigung 1 2007-08	Luft-und Raumfahrt - Metallische Werkstoffe - Prüfverfahren - Teil 1: Zugversuch bei Raumtemperatur
ASTM E 8/E 8Ma 2016	Standard Test Methods for Tension Testing of Metallic Materials
DIN EN ISO 6892-2 2018-09	Metallische Werkstoffe - Zugversuch - Teil 2: Prüfverfahren bei erhöhter Temperatur
DIN EN 2002-002 2007-08	Luft-und Raumfahrt - Metallische Werkstoffe - Prüfverfahren - Teil 2: Zugversuch bei Hochtemperatur
ASTM E 21 2017	Standard Test Method for Elevated Temperature Tension Tests of Metallic Materials
DIN EN ISO 148-1 2017-05	Metallische Werkstoffe - Kerbschlagbiegeversuch nach Charpy - Teil 1: Prüfverfahren (hier: <i>nur bei Raumtemperatur</i>)
DIN EN ISO 204 2009-10	Metallische Werkstoffe - Einachsiger Zeitstandversuch unter Zugbeanspruchung - Prüfverfahren
DIN EN 2002-005 2008-09	Luft-und Raumfahrt - Prüfverfahren für metallische Werkstoffe - Teil 005: Kriech- und Zeitstandversuch unter konstanter Zugbeanspruchung
ASTM E 139 2011	Standard Test Methods for Conducting Creep, Creep-Rupture, and Stress-Rupture Tests of Metallic Materials
DIN EN ISO 7438 2016-07	Metallische Werkstoffe - Biegeversuch

Ausstellungsdatum: 07.12.2018

Gültig ab: 07.12.2018

Anlage zur Akkreditierungsurkunde D-PL-19226-01-00

Metallografische Prüfungen

ASTM E 112 2013	Standard Test Methods for Determining Average Grain Size
DIN EN ISO 643 2013-05	Stahl - Mikrophotographische Bestimmung der scheinbaren Korngröße (Auswertung und Vergleich mit genormten Bildreihentafeln)
DIN 54150 1977-08	Zerstörungsfreie Prüfung - Abdruckverfahren für die Oberflächenprüfung (Replica-Technik) <i>(zurückgezogene Norm)</i>
ASTM E 1447 2009	Standard Test Method for Determining of Hydrogen in Titanium and Titanium Alloys by Inert Gas Fusion Thermal Conductivity / Infrared Detection Method

verwendete Abkürzungen:

ASTM	American Society for Testing and Materials
DIN	Deutsches Institut für Normung
EN	Europäische Norm
ISO	International Organization for Standardization



This certificate is granted and awarded by the authority of the Nadcap Management Council to:

Leistritz Turbinentechnik GmbH

*Lempstrasse 24
Remscheid, D42859
Germany*

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Chemical Processing

Certificate Number: 4433179383
Expiration Date: 30 April 2020

*Joseph G. Pinto
Executive Vice President and Chief Operating Officer*



This certificate is granted and awarded by the authority of the Nadcap Management Council to:

Leistritz Turbinentechnik GmbH

*Lempstrasse 24
Remscheid, D42859
Germany*

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Heat Treating

Certificate Number: 4433185767
Expiration Date: 30 April 2020

*Joseph G. Pinto
Executive Vice President and Chief Operating Officer*



This certificate is granted and awarded by the authority of the Nadcap Management Council to:

Leistritz Turbinentechnik GmbH

*Papenberger Strasse 37
Remscheid, 42859
Germany*

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

Heat Treating

Certificate Number: 6176185768
Expiration Date: 30 April 2020

*Joseph G. Pinto
Executive Vice President and Chief Operating Officer*



This certificate is granted and awarded by the authority of the Nadcap Management Council to:

Leistritz Turbinentechnik GmbH

*Lempstrasse 24
Remscheid, D42859
Germany*

This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in www.eAuditNet.com on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:

NonDestructive Testing

Certificate Number: 4433178879
Expiration Date: 31 January 2021

Joseph G. Pinto
Executive Vice President and Chief Operating Officer