

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company

HAWART
windpower in motion

HAWART Sondermaschinenbau GmbH
Handwerksweg 8
27777 Ganderkesee, Germany

has been verified and recognized
as welding workshop in the product range of

**Welded Structures, Machinery and Plant Engineering as
well as Manufacturing Equipment, Lifting Tools and
Transport Components for the Wind Energy Industry**

based on the requirements of the standard

DIN EN ISO 3834-2

Certificate-No.: 07/204/1201/HS/3487/16

The range of validity and details of the inspection can be seen
on the back page and in our

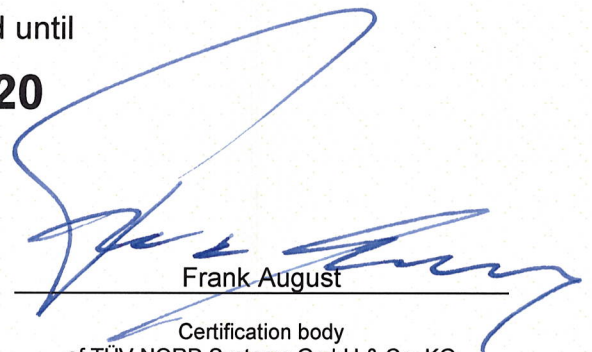
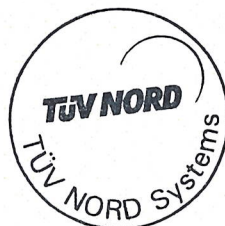
Report No.: 1201Z348716 / SAP No.: 8114130874

The company is using a quality assurance system,
technical equipment, qualified personnel and procedures for joining processes
for manufacturing and testing of welded products.

This certificate is valid until

January 2020

Hamburg, 21 December 2016



Frank August

Certification body
of TÜV NORD Systems GmbH & Co. KG
Accredited Body

Scope of the welding activities

Only valid in relation and as an attachment to the certificate DIN EN ISO 3834 Part 2

Manufacturer: HAWART Sondermaschinenbau GmbH, Ganderkesee, Germany
Cert.-no.: 07/204/1201/HS/3487/16
Date of issue: 21 December 2016

1 Product(s) of the manufacturer

Structural components and steel structures up to EXC3 according to EN 1090-2;
Welded structures, machinery and plant engineering as well as manufacturing
equipment, lifting tools and transport components for the wind energy industry
(Development, Engineering, Manufacturing, Distribution, Service and Assembling)

2 Product standards and other standards (see DIN EN ISO 3834-5)

DIN EN 1090-2
DIN EN ISO 13920
DIN EN ISO 9606-1
DIN EN ISO 5817
DIN EN ISO 15614-1

3 Material groups (acc. to CEN ISO/TR 15608)

1.1, 1.2 $R_{eH} \leq 355 \text{ N/mm}^2$, 3.1 $R_{eH} \leq 690 \text{ N/mm}^2$

4 Welding processes and related material groups

Welding processes (acc. to ISO 4063) with grade of mechanization	Material groups (acc. to CEN ISO/TR 15608)
135 MAG Metal Active Gas Welding with solid wire electrode, partly mechanized	1.1, 1.2, 3.1
138 MAG Metal Active Gas Welding with metal cored wire electrode, partly mechanized	1.1, 1.2
141 TIG Tungsten Inert Gas Welding, manually	1.1, 1.2

5 Responsible welding coordinators

Name	Qualification	Scope of competence and level*
Nicki Kuilert	IWE	Responsible welding coordinator, C
Marco Schröder	IWE	Deputy of welding coordinator, C

* The level of knowledge complies with ISO 14731 B, S or C