CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company

HAWART Sondermaschinenbau GmbH
Handwerksweg 8
27777 Ganderkesee / Germany

has been verified and recognized
as welding workshop based on the requirements of the standard

DIN EN ISO 3834-2

Comprehensive quality requirements

Certificate-No.: 07/204/1201/HS/3487/22

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

No.: 8120957512

The company is using a quality assurance system,
technical equipment, qualified personnel and procedures for joining processes.

This certificate is valid until

November 2025

Digital
unterschrieben von
Kaschner Morten
Datum: 2022.11.22
12:26:42 +01'00'

Hamburg, 22.11.2022

Dipl.-Ing. M. Kaschner

To verify the validity of the digital signature of the TÜV NORD Systems employee, the installation of the TÜV NORD GROUP root certificate is required: https://www.tuev-nord.de/en/customer-login/digital-signature/

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

TÜV NORD Systems GmbH & Co. KG • Technikzentrum • Certification Body
Große Bahnstraße 31 • 22525 Hamburg
Telefon (040) 8557-2368 • Fax (040) 8557-2710 • E-mail: technikzentrum@tuev-nord.de

DAkkS Deutsche Akkreditierungsstelle D-ZE-11074-03-00

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,
27777 Ganderkesee / Germany
Cert.-no.: 07/204/1201/HS/3487/22
Date of issue: 22.11.2022

1 Product(s) of the manufacturer
Structural components, steel structures and aluminium structures
until EXC3 according to EN 1090-2 and EN 1090-3
In the following depending on possibly further required certifications:
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 1090-3
DIN EN ISO 9606-1, DIN EN ISO 9606-2
DIN EN ISO 5817, DIN EN ISO 10042
DIN EN ISO 15612, DIN EN ISO 15613, DIN EN ISO 15614-1 level 2, DIN EN ISO 15614-2

3 Material groups (acc. to CEN ISO/TR 15608)
1, 2, 3.1 R_{eH} ≤ 690 MPa, 22

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, partly-mechanized	1, 2, 3.1 R_{eH} ≤ 690 MPa
141 TIG Tungsten inert gas welding, manual	1.1, 1.2 R_{eH} ≤ 355 MPa
131 MIG Metal inert gas welding, partly-mechanized	22
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5 Responsible welding coordinators

Name	Qualification	Scope of competence and level *
Schröder, Marco	IWE	Responsible welding coordinator C
Trosin, Ralf	EWS	Support. welding coordinator B
-		

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