

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company

RI Research Instruments GmbH
Friedrich-Ebert-Straße 75
51429 Bergisch Gladbach / Germany
Manufacturing sites see back page

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

DIN EN ISO 3834-2

Umfassende Qualitätsanforderungen

Certificate-No.: 07/203/1403/HS/3146/22

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

No.: 8120858746

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

This certificate is valid until

October 2025



Hamburg, 31.01.2023

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

Scope of the welding activities

Only valid in relation and as an attachment to the certificate DIN EN ISO 3834 Part 3

Manufacturer: RI Research Instruments GmbH / Germany
Manufact. sites Friedrich-Ebert-Straße 75, 51429 Bergisch Gladbach / Germany
Heinz-Fröling-Straße 3, 51429 Bergisch Gladbach / Germany
Cert.-no.: 07/204/1326/HS/3146/22
Date of issue: 31.01.2023

1 Product(s) of the manufacturer

In the following depending on possibly further required certifications:

Pressure equipment parts for components and systems for particle accelerator constructions, constructions for science, power engineering and industry

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

AD 2000 Merkblatt, DIN EN 13445, DIN EN 13480
DIN EN ISO 9606-1, DIN EN ISO 14732
DIN EN ISO 5817, DIN EN ISO 13919-1 /-2
DIN EN ISO 15612, DIN EN ISO 15614-1

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

8, 43, 22, 23, 51, 37, Niob, Tantal

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) |
|---|---|
| 141 TIG Tungsten inert gas welding, manual | 8, 22, 23, 43, 51 |
| 511 Electron beam welding, automatic | 8, 37, 43, 51, Niob, Tantal |
| 521 Solid state laser welding | 8, 37, 43, 51 |
| 912 Flame brazing | 8, 31, 43, 51 |
| 922 Vacuum brazing | 8, 31, 43, 51 |
| --- | |

5 Responsible welding coordinators

| Name | Qualification | Scope of competence and level * |
|----------------------------------|---------------|-----------------------------------|
| CARRIÓN CASTILLA, Víctor Asís | IWE | Responsible welding coordinator C |
| Haase, Christian | IWS | Support. welding coordinator B |
| --- | | |

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