SOLUTIONS

IN TUBE FORMING & WELDING

ASSEMBLY PRODUCTION

COMPONENTS MADE OF HIGH-QUALITY MATERIALS

Piping
Distribution systems
Spirals
Fitting kits
Fluid lines
Connections

TUBETEC
ROHRVERFORMUNGSTECHNIK

Company premises, Nistertal

APPROVED MANUFACTURER ACCORDING TO

- AD 2000 - HP0
- AD 2000 - W0
- ASME U, U2 + S-Stamp
- Bureau Veritas Mode II
- DGRL Materials
- DIN EN ISO 9001
- DIN EN ISO 3834-2
- EAC certification
- EN 764-5
- DNV-GL
- TÜV Austria Law on Boilers section

Production TUBE-TEC, Nistertal

THE TUBE-TEC COMPANY

HIGH-QUALITY – MADE IN GERMANY

TUBE-TEC Rohrverformungstechnik GmbH is one of the world's leading companies in tube bending, tube processing and pipe welding technology.

As an innovative, flexible and owner-managed family business, our customers benefit from flat hierarchies, quick decision-making and constant investment in qualified specialists, as well as the most modern machine technology and the latest production processes.

Due to our high degree of vertical integration with our own tool-making, our own sheet metal processing and the mastery of all bending processes in the cold-forming of tubes, today we have an outstanding position with our customers and partners worldwide in the fields of power plant technology, the petrochemical industry, food industry, chemical and pharmaceutical industry, apparatus manufacturing, offshore systems plant construction as well as in the field of renewable energies.

Our product range covers everything from filigree components for gas turbines to multi-ton heavy synthetic gas coolers/ industrial equipment, individual parts made to order for projects and complete ready-to-install assemblies.

ASSEMBLY PRODUCTION

COMPONENTS MADE OF HIGH-QUALITY MATERIALS

At the highest international level, TUBE-TEC specialises in the processing of demanding materials such as Inconel, austenitic steels, duplex steels, Hastelloy and highly heat-resistant nickel alloys.

TUBE-TEC uses only the most modern CNC lathes, milling machines and welding technology for the production of assemblies and components. Combined with the latest testing methods, this enables us to achieve consistently high product quality. This can also be traced back to our decades of know-how in the fields of bending, forming and welding technology.

Piping in the CNC machining process

Fitting kit - milled from a solid block

Piping with welded / brazed fittings

One-piece bends

Welded assembly

In our efficient production and assembly of mechanical assemblies, we offer you all services from a single source.
We guarantee quality assurance for all services, production parts and assemblies through certified production processes and high-precision measurement and testing technology.
Several of our own welding specialists (IWS) and welding engineers (IWE) create welding and inspection plans and supervise our complex components during production up to the final acceptance.

To ensure the high level of welding technology, TUBE-TEC, with its more than 20 trainees in the fields of plant construction and welding technology, ensures a permanent supply of qualified welding personnel.
This continuous training and further education of our employees is an additional guarantee for the consistently high quality of our products.

APPLICATION EXAMPLES

- Sensitive bent parts in combination with various turned and milled parts
- Burner piping with welded / brazed fittings
- Oil and gas piping
- Highly demanding & sensitive fluid lines
- Pump connections incl. piping
- Heating skids
- as well as any fitting kits with or without piping

YOUR BENEFITS

- Most modern CNC lathes and milling machines
- State-of-the-art orbital welding equipment
- Digital X-ray of all components and assemblies
- Endoscopy of the components for accessibility
- Processing of demanding materials, e.g. austenitic steels, duplex steels, Inconel materials, Hastelloy, highly heat-resistant nickel alloys
- Special materials such as aluminium, copper and titanium

QUALITY & PROCEDURE

PIPE WELDING TECHNOLOGY

Orbital welding

The production of complex assemblies and pipe bends not only requires enormous know-how in bending technology but also competence in welding technology.

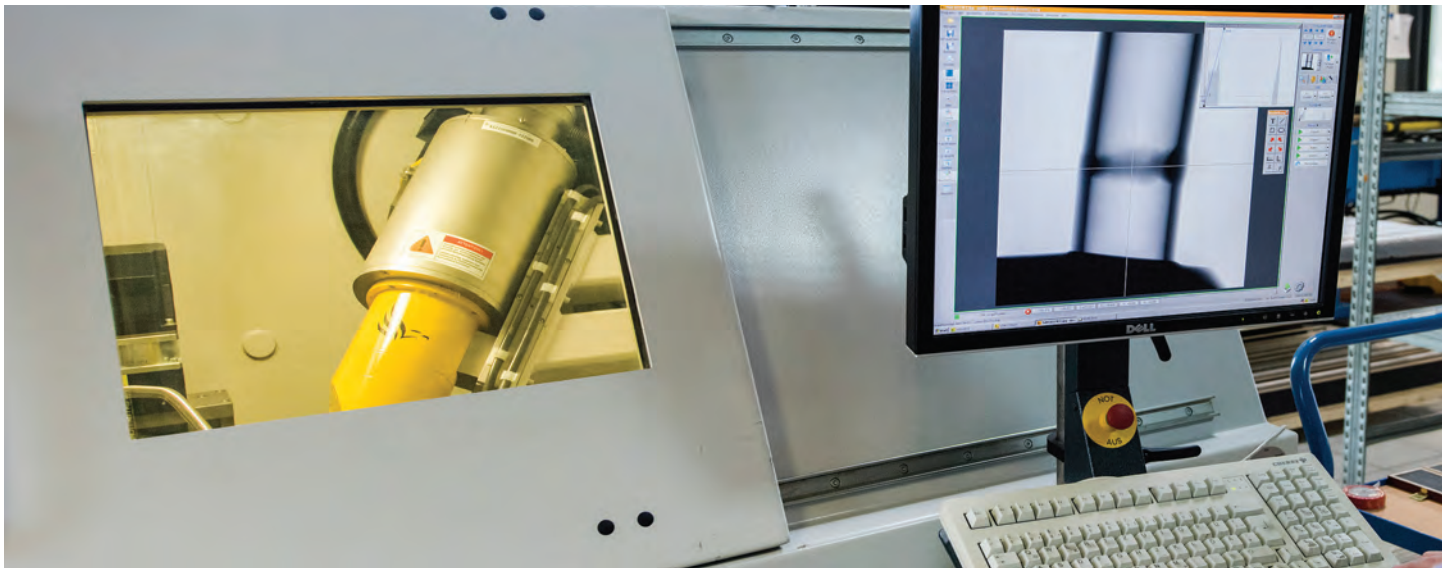
In this case the requirements of the regulations (AD2000, ASME, DIN EN ISO, EAC and many more), the processing of demanding materials and the necessary heat treatments place the highest demands on a manufacturing company.

TUBE-TEC qualified therefore as a welding specialist early on and today has over 150 own qualifications WPQR according to ISO 15614-1,-2,-6,-8.

OUR WELDING PROCESS

- TIG tungsten inert gas welding (process 141 / 142)
  - with and without filler metal
  - cold wire and hot wire
  - manual, mechanised, semi-automated
- Plasma welding (process 15)
  - manual, mechanised, fully automated
- Orbital Welding (Process 141 / 142, 135 / 136)
  - with and without filler metal
  - manual and mechanised
- MAG metal active gas welding (Process 135 / 136)
  with solid wire or cored wire

Modern CNC machining centre



RT and CT 3D X-ray at TUBE-TEC by external service specialist

Up to 8 employees of the quality assurance department ensure that our work conforms to the regulations, which is reflected in the usual high quality of TUBE-TEC products. Here, too, we rely on a high vertical range of manufacture.

We attach particular importance to carrying out as many in-house testing procedures as possible with our own certified testing personnel.
As our business partner, you are always one step ahead of the ever-changing market.
Benefit from our expertise and secure a strong partner at your side.

OUR TESTING PROCEDURES

- RT and CT 3D X-ray by external service specialist
- Radiographic testing in own x-ray bunkers
- Ultrasonic testing of wall thickness
- Dye penetration inspection
- Magnetic particle testing
- Hardness testing
- Cold water pressure test
- Leak testing
- Visual, direct and indirect (endoscopy) Examination
- Ferrite content and roughness measurement
- Positive material identification (PMI)
- Dimensional inspection with optical 3D measuring method

OUR CERTIFICATIONS

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TUBETEC
ROHRVERFORMUNGSTECHNIK

Headquarters Nistertal

Administration / Production

TUBE-TEC
Rohrverformungstechnik GmbH

Hirtscheider Straße 13-15
57647 Nistertal
Germany

Telephone: +49 2661 9591-0
Fax: +49 2661 9591-950
www.tube-tec.de

Bending Competence Centre Sainscheid

Production

TUBE-TEC
Rohrverformungstechnik GmbH

Siemensstraße 17
56457 Westerburg-Sainscheid
Germany
www.rohrbogen-tt.de