Robot Welding of Pressure Vessels

In accordance to international specifications and requirements

An efficient solution for welding applications for pressure vessel manufacturing

Trust in our Experience
Technical Data:

Please see following the technical data of our welding robots as a guide for a pre-selection of applications only. On request we check your specific application.

Welding Robot:

Diameter of Components (max.): 2.000 mm
Work Radius (max.): 1.200 mm
Maximum Load: 10.000 N
Weldings: MIG(131), MAG(135/136)

Approvals:

- ASME - U-Stamp Holder
- DNV-approval, for pressure vessel, class I + II auf Schiffen und Mobile Offshore Units
- GOST-R/TÜV Thüringen
- DGRL 97 / 23 / EC, PED AD 2000 u. PED DIN EN 13445, Modul H, H1 and D
- As per AD 2000-Merkblatt HP 0 and DIN EN ISO 3834-2 (EN729-2)
- Re-stamping of material and goods
- DIN 18800 – 7 class C
- NDT-Personnel: DIN EN 473 level 2 and DGRL 97 / 23 / EC
  - Methods: RT, UT, MT, PT, VT+FAW
  - NDT-Workshop: X-Ray – 200KV / Labor
- Pressure Testing: up to 950 bar hydrostatic
The Robot Welding

The modern welding robots of Emmerthaler Apparatebau GmbH present the actual level of manufacturing methods and showing up an efficient option for serial manufacturing of pressure vessels. Also small quantities can often be produced in an efficient manner.

The robot weldings are also recognized by our quality system and performed as per international specifications and requirements.

The testing of welding and most common material can be performed by our own qualified personnel by non-destructive testing methods.
Additionally we want to mention that we can also lacquer your product (water soluble colours) with our paint finishing system. The component dimensions are limited to: 1.900 mm x 1.700 mm x 700 mm.
Our strengths are in the following fields:

- **Pressurized Equipment**
- **Pressure Vessels**
- **Filter Vessels**
- **Pipeline Constructions**
- **Silencers**
- **Piping Systems**
- **Robot Welding of Pressure Vessels**

In case of interest, please ask for more details. We thank you for your enquiry.

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