

## Welding technologies certified by:



Certified to  
**DIN EN ISO 3834-2**

Quality requirements for fusion welding of metallic materials



Certified according to  
**DIN 18800-7 class E**

is a national standard (the so-called manufacturer's qualification) which makes it possible to weld components, which fall within the building inspection area.



Certified according to  
**EN 1090-2:2008**  
**+A1:2011 EXC3**

is a European standard (manufacturer's qualification), the DSD GmbH may thus weld components and place on the market within the building inspection area.

### The Team:

DVS-EWF-IIW welding engineer  
(Int. Welding Engineer)  
DVS-EWF welding specialist  
(European Welding Specialist)

Certified according to **DIN 4132** (manufacture of crane tracks)

Only qualified welders according to **EN 287 and 97/23 / EC and AD**

Druckguss Service Deutschland GmbH is a company of special machine construction in northern Germany (Lübeck) and offers modern production technology in excellent quality. It is certified according to DIN EN ISO 9001. The certified welding department also provides various welding technologies, welding constructions, repair welding and plating and built-up welding in a wide spectrum.

## Welding Technologies

ISO 9001



Reg.-Nr.: Q1 0110139

## Welding at the Highest Level

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## Maritime Steel Constructions



Welded structures in the maritime sector of the manufacturing companies demand a particularly high production quality.

At Druckguss Service Deutschland GmbH all facilities and human resources are available to manufacture high-quality maritime steel constructions.

(i.e. rudder trunk, rudder blades, ship-mounted parts etc.)

Own auditors (for DGZfP) test these components with the methods VT, MT, PT, UT.

If independent tests shall be required powerful partners are near by.



## Constructions



In addition to maritime steel constructions we also offer steel and metal structures according to customer drawings. If no documents exist our team of engineers and technicians will do this for you.

## Powder Flame Spraying



With this process we can repair worn axles, shafts and bearing surfaces in cost-effective ways.

## External and internal cylindrical welding

We have realized a high level of automation with the external and internal cylindrical welding.

MSG internal circular welding (also mobile)

MSG and UP cylindrical welding

(up to max. 10.000 mm or 7 t)



## Plating and Built-Up welding

By refining the component surfaces by special materials we can greatly improve surface hardness, wear resistance and corrosion resistance.



### Welding Processes:

- MSG welding (MIG / MAG)
- TIG welding
- Oxyfuel and electro manual welding
- MSG internal circular welding (also mobile)
- MSG and UP Cylindrical Welding max. 10,000 mm or 7 t
- Semi-automatic surfacing/hardfacing
- Powder flame spraying
- Hard and soft soldering

### Materials:

- Black and stainless steels
- Tempered steels
- Difficult to weld steels
- Steel and cast irons
- Non-ferrous metals