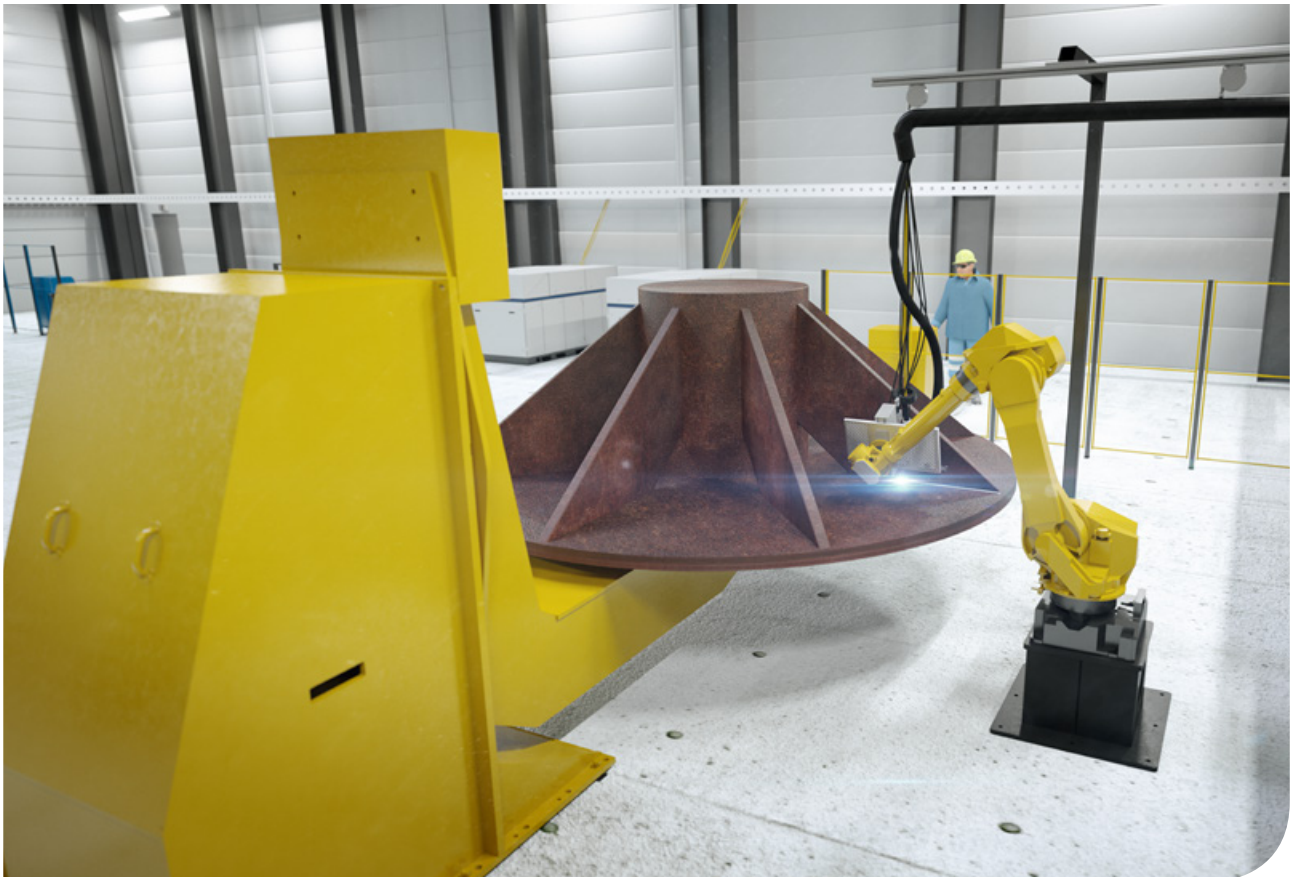


High Power Laser Welding



State-of-the-art facility

Lindø Welding Technology (LWT) is a State-of-the-art laser welding facility for testing and developing new production methods.

The combination of modern high power laser equipment and a skilled staff with many years of experience makes the best conditions for us to help your company optimise the production.

Services

At LWT, we offer a wide range of services within high power laser technology to help you grow your business:

- Process development
- Building of full-scale prototypes
- 0-series production
- Knowledge transfer
- Unrivalled infrastructure for testing.

Unmatched possibilities

The heart of LWT is two 16kW Disc-lasers coupled in one fibre delivering up to 32 kW laser power on the work piece. This is one of the most powerful laser systems available for commercial use in the world, giving you a unique opportunity to test and develop new production methods, which can keep you at the forefront of your line of business.

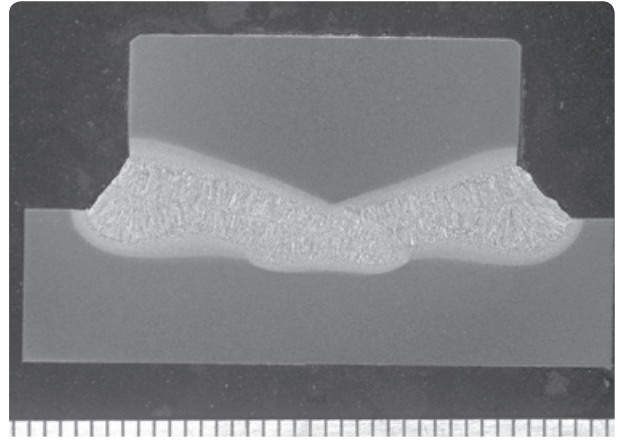
Laser Welding

Laser Welding and Laser Hybrid Welding are high quality welding methods. The main characteristic is repeatability and a low heat input compared to conventional welding methods.

The low heat input results in minimum deformation of the final product. The high laser power available on LWT will secure a large welding depth thereby possibility to weld thick section material with a minimum of weld beads securing high productivity.

Equipment

Disc-laser:	32 kW (2x16kW)
YAG-laser:	4 kW
Industrial robot:	70 kg
Industrial robot:	165 kg
Manipulator:	6-axis
Turntable:	5000 kg (2-axis)



Laser Hybrid Welding of a thick section fillet weld.

A competent partner

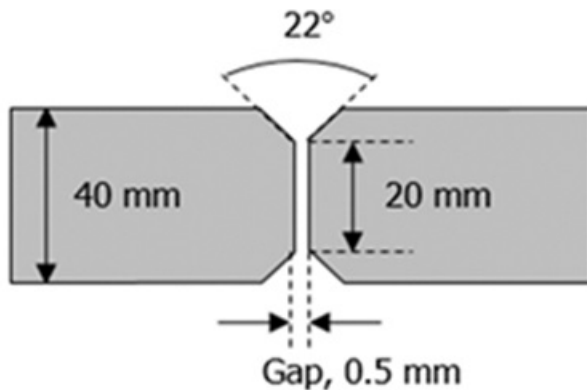
LWT is operated in a strategic partnership between Lindoe Offshore Renewable Centre and FORCE Technology. Both partners being extremely competent in their field of knowledge.

FORCE Technology has an extensive knowledge in laser welding, add to this a specialised and experienced staff and you are guaranteed a qualified partner.

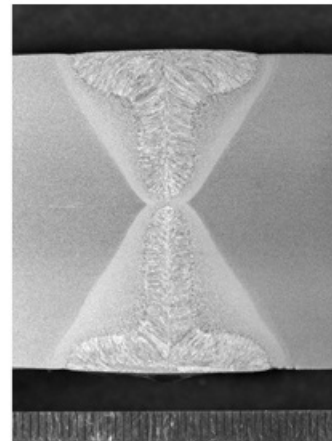
Other services

LWT is a part of the Lindoe Component and Structure Testing A/S which also offers:

- Mechanical Tests of Large Structures
- Climatic Testing of Large Structures
- Rain Erosion Testing.



Butt weld in 40 mm material and the corresponding joint preparation



Further information

Steen Erik Nielsen: Phone +45 22 69 73 86 / E-mail: sen@force.dk.

Michael Myrup Andersen: Phone +45 42 62 73 48 / E-mail: mma@force.dk.