

# INNOVATION REPAIR WELDING SOLUTION

FOR  
POWER GENERATION INDUSTRY  
PETROCHEMICAL INDUSTRY

**DSI Laser Service (Thailand) Co.,Ltd.**

## LASER WELDING SERVICE



**Available!!  
On-site Welding  
Service**

### Merits of Pulse Laser Welding

- High Bonding Strength
- No Need of Pre-Heating / Post-Heating
- No Distortion
- No Residual stress
- No Base Material Micro-structural Changing



### Applications

Steam Turbine Journal Bearings / Casings and Components

Generator Components / Motor Shafts

Pump shaft / Impellers / Diffusers / Pump Casings

Valves / Gear Shafts



### Technical Know-how

20-years developed know-how  
in Germany



### Welding Certificate

DIN EN ISO 3834-2:2005



### Capabilities

Laser Welding Machine 20 mc.  
20 Tons Cranes MAX.

As a pioneer, we introduce "Pulse Laser Welding Solution" to fulfill the needs of the industries in maintenance and repair the critical component parts. We developed welding solution for various critical material in room temperature Among 20-years experience, we dedicated to develop our laser welding service including Thai qualified welders according to the global welding standard : DIN EN ISO 3834-2:2005 as the pioneer in Thailand.

### Applicable Base Materials

Stellite 6

Hardened Stainless, SUS420 Modified

17-4 PH, SUS316

Super Duplex

Duplex

Inconel 625 / 718

Babbit Bearing Alloys

### Applicable Base Materials

Hastelloy C-276

Monel K-400 / 500

P-22

AISI4340 / 1.7734

ALBC3, Al Bronze, Copper Alloy

Grey Casting Iron

Hard-facing Materials / Tungsten Carbide

## DSI Global Team



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