



GAS TUNGSTEN ARC WELDING (GTAW) - 1G/3G/6G

OBJECTIVES

Advancements in engineering material and fabrication technology have increased the demand for welds with high quality requirements. These requirements can be best met by adopting conventional and pulsed TIG welding. Stringent quality requirements associated with this process becomes a necessity for welders to have theoretical and practical exposure in conventional and pulsed TIG welding. The lessons are planned to enable the participants to easily graduate as confident 1G/3G/6G GTAW welders. Certificate will be awarded to the welders after witnessing & evaluation of Qualification test coupon prepared as per the requirement of AWS D1.1, ASME IX, BS EN 287, and DIN.

GENERAL OVERVIEW

Fundamentals Practical Applications and Best Practices in GTAW. This course is designed to answer these and other basic questions so that students can go back to their work place and immediately improve the quality of their welds.

COURSE OUTLINE

Theory

- Safety essentials in welding
- Familiarization with TIG process
- Selection of tungsten electrodes and shielding gases
- Handling of welding equipment
- Welding defects and solutions
- Selection of filler alloys
- Welding Procedure specification (WPS)

Practical

- Preparation of weld joints
- Practice in welding for 1G/3G/6G position
- Final Qualification in 1G/3G/6G position



**CERTIFICATION WILL BE CONDUCTED
IN ACCORDANCE TO AN APPROPRIATE
CODE AS PER:**

AWS D 1.1, ASME IX, BS EN 287

**CERTIFICATION BODY
ABS , TUV**



DURATION

4 Days

**100 % HRDF CLAIMABLE
UNDER SBL SCHEME**

REQUIREMENT

**Welders with minimum 1 year welding
experience**

ENHANCING HUMAN CAPITAL