



*You see a welder. We see a nation builder.*

## **SAW WELDING OPERATORS QUALIFICATION**

**Course Code:** AWC-4Q

**No. of Seats:** 4 per batch

**Duration:** 3 days

**Dates & Fees:** See Course Schedule

### **COURSE OBJECTIVE:**

Training and qualification of welding operators are the most critical factors in achieving the set objective of mechanized SAW welding process. These courses will enable welders to acquire the basic expertise and knowledge of SAW welding process to meet the ever rising expectations of the industry. This course is designed carefully to offer the necessary theoretical and practical exposure to the SAW welding operators. The lessons are planned in a methodical way, step-by-step approach, to enable them to imbibe easily and become confident SAW welding operators.

### **COURSE CONTENT**

#### **THEORY: 12 hrs**

- Familiarization with the mechanized SAW welding equipment and accessories
- Safety precautions in handling SAW welding equipment and systems
- Consequences of welding variables on weld quality and productivity in SAW welding
- Techniques of SAW welding in root and subsequent passes
- Selection and care in handling SAW welding flux-wire consumables
- SAW Process related weld-defects causes and remedies
- Applications and limitations of SAW welding

#### **PRACTICAL: 12 hrs**

Practical session with various electrode types, joint types, techniques, weld processes.

#### **ELIGIBILITY:**

Structural Arc Welder.

#### **COURSE EVALUATION:**

Practical & Written/Oral tests.

#### **OUTCOMES:**

The course curriculum will enable to become a qualified SAW welding operator, as per ANSI/AWS structural welding code D1.1-XX or equivalent.

#### **Note:**

The above course can be delivered in English, Hindi or Marathi.