

## **MAXIMIZING PRODUCTION WITH THIN WIRE CONTINUOUS WELDING PROCESSES (GMAW, FCAW, SAW)**

**Course Code:** AWC-2Q

**No. of Seats:** 10 per batch

**Duration:** 2 days

**Dates & Fees:** See Course Schedule

### **COURSE OBJECTIVE:**

Semi automatic & mechanical welding delivers better levels of productivity & quality. This course takes a comprehensive look at various options and provides hands-on awareness about key factors for making correct choices.

### **COURSE CONTENT**

#### **THEORY AND PRACTICAL: 16 hrs**

- Understanding of the Continuous Welding Process
- Improving Productivity, Quality, Delivery and Reducing Costs with Continuous Welding Process
- Principles of Thin Wire Continuous Welding Processes- GMAW/FCAW/SAW
- Advantages & limitations of GMAW/FCAW/ SAW Processes
- Understanding Process Variations in Continuous Welding Process
- Understanding Application Area of Continuous Welding
- Range of Welding Equipment for Continuous Welding
- Range of Welding Consumables for Continuous Welding
- Understanding Welding Variables & Welding Procedures in Continuous Welding
- Introduction to Mechanization / Automation
- Quality Concerns in Continuous / Mechanized Welding
- Trouble shooting in Continuous / Mechanized Welding
- Demonstrations of Continuous Welding Application Area
- Practical session with various electrodes types, joint types, techniques, weld processes

### **ELIGIBILITY:**

Owners, Production Heads, Principal Production Supervisors.

### **COURSE EVALUATION:**

Objective test – written, to check understanding of the course content.

### **OUTCOMES:**

- Understanding of principles of Thin Wire Continuous Welding Processes GMAW/FCAW/SAW
- Exposure to welding productivity and welding cost relationship
- Selection of optimum mechanization & automation solutions
- Effective application of thin wire continuous welding processes