

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



Course Code: AWC-2Q



No. of Seats: 10 per batch



Duration: 2 weeks



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: 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

