



HEAT TREATING - OWNER

ABOUT THE COURSE

The two-day Heat Treating - Owner course provides the Process Owners with the information necessary to improve their skills and competencies in the aerospace workforce. After an introduction on Heat Treating, the Instructor covers:

Interpretation of specifications, including planning, contract review, specifications, heat treatment parameters, and testing.

Procedures and inspection, focusing on pre-treatment and post-treatment as well as how to use all the specifications information to produce shop paperwork.

Operator approvals, reviewing general requirements, operator vs planner, training, testing knowledge, periodic reviews, records, training matrices, and errors and corrective actions.

Errors and Corrective actions, general, pyrometry, failures, process failures, process interruptions, and test failure.

Equipment capability to perform high quality heat treatment, which includes daily verification, preventive maintenance, load preparation, furnace loading, cleaning and cleanliness, loading hot vs loading cold, heat-up rates, unloading, cycle review, quality provisions, and storage..

Special process applications with Brazing, Carburizing & Nitriding, Heat Treatments, Final Heat Treatments, and Quenching.

Thermocouples, through definitions and interpretation, working with thermocouples, control thermocouples, recording thermocouples, load thermocouples, positioning of load thermocouples within the load.



“GREAT EXPLANATIONS ON INTERPRETING HEAT TREATING SPECS.”

Course Objectives

- Interpret relevant specifications
- Review and Approve Processes definitions
- Review and Approve Procedures
- Qualify Operators and Planners (General Work Instructions related to Heat Treatment
- Resolve and avoid common problems in Heat Treatment

Process Owner

Process Owners are capable of writing, reviewing and approving processes, procedures and qualifications of lower levels Process owners are capable of designing new processes and resolving issues among all other levels.

Next Steps

- Go to www.PRI-Training.com
- Email PRI-Training@p-r-i.org
- Call +1 724 772 8645 (Americas), +44 870 350 5011 (Europe) or +86 10 6461 9807 (Asia)