

# CQI 27 - Casting System Assessment Training Programme Outline

## Course Overview

Increasing demand of CQI standards released by AIAG. We bring you course on all CQI standard. CQI 27 Casting system assessment training is designed to educate individuals on evaluating and optimizing casting processes within manufacturing. It covers topics like mold design, material selection, quality control, and safety. This training ensures participants can identify inefficiencies, defects, and safety hazards in casting operations and implement improvements for better product quality and process efficiency. It's valuable for industries reliant on casting, such as automotive and aerospace, to enhance product performance and reduce production costs.

## Who should attend?

Participants from technical background, related to casting process, like Production Team, QA / QC Team, Operations Team, Project Managers / Leader / Engineers, Maintenance Team, etc.

## Course Duration – 02 Days

## Program Objective

Demonstrate casting system self-assessment right from casting management systems basics till processes. for all process tables.

## Ways to achieve program objective

- Describe What is a special process like casting
- Mission and Goal of special process
- Need for casting systems audit
- Scope of casting system Audit
- Assessment process and procedures
- Process Tables.
- Demonstration on shop floor

## Contents:

- Cover Sheet
  - a. Basic data of the casting organization
  - b. Audited areas according to the respective CQI-27process table
  - c. Contact data (auditor, company, participants)
- Results of the CQI Audit
- Audit Elements
- Process Tables for all casting types
- Activity (Recap of Training by conducting assessment / activity)
- Q&A

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### Benefits:

This course will promote understanding of

- The basic concept of requirement of a special process
- Basic System requirements for the casting process
- Technical and process requirements.

### Take away for participants

- Presents a hands-on exercise to learning the casting as a special process
- Obtaining consistent, reliable and reproducible results in the process, thus meeting the end reliability objective of castings

Standard edition details: CQI Standard latest edition will be used during the training

### Certificate

Certificate of successful completion shall be issued to all the delegates who attend entire duration of the course & pass the examination.