

CQI 30 - Rubber Processing System Assessment Training Programme Outline

Course Overview / Objective

CQI-30 is a standard developed by the Automotive Industry Action Group (AIAG) that outlines the requirements for assessing rubber processing systems in the automotive industry. It focuses on ensuring consistent quality, process control, and risk management within rubber manufacturing processes. The standard covers aspects like process design, production, validation, and monitoring to ensure the production of high-quality rubber parts for automotive applications. The CQI-30 Standard is structured similarly to the other Special Processes and consists of the sections: cover sheet, general pre audit, management responsibility, job audit, rubber mixing, inspection and testing, facilities & Equipment, molding, substrate preparation and a glossary.

Who Should Attend?

Project Engineers, Quality & Production Engineers, Supervisors, Executives, Managers, and Senior Management form Operations, Production, Maintenance & Quality Departments.

Course Duration – 02 Days

Organizational Objective or benefits

1. To have a team with complete understanding of CQI-30 Special Process: Rubber Processing System Assessment -Mixing & Molding 1st Edition (New)
2. Knowledge of infrastructure and records required for complete process control
3. Confidence in facing and successful compliance satisfaction during CQI 30 audit

Learning objective

1. Knowledge / detailed awareness of CQI 30 requirements
2. Making participants awareness of the various records needed as per CQI 30 requirement.
3. To help participants develop a controlled & defect free process
4. To perform CQI 30 assessment in an organization.

Training methodology:

1. Class room activity based (Inhouse / Public Course)
2. Virtual Interactive Learning Program
3. Group discussion

Course Content / Program Outline

Cover Sheet: Details of the respective rubber manufacturing process, as well as a summarized evaluation system of the audit result, simply presented with the number of "not satisfactory findings" and the "need immediate action findings")

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1. Section1:
General Audit Information (Overview of Company Capabilities “Pre-Audit Survey”)
2. Section2:
Management Responsibility & Quality Planning
3. Section3:
Job audit (product specific assessment on site based on customer requirements and an control plan, similar to a product audit)
4. Section4:
Rubber Mixing (Detailed audit questions on individual processes of recipe production)
5. Section5:
Inspection & Testing (molding parts inspection and test equipment)
6. Section6:
Facilities & Equipment (rubber manufacturing machines, monitoring devices and peripheral devices)
7. Section7: Molding
 - a. 7.1 General Molding Common Requirements
 - b. 7.2 Compression Molding
 - c. 7.3 Transfer Molding
 - d. 7.4 Injection Molding
8. Section8: Substrate Preparation
9. Section9: Glossary

Job Audit

Process tables

Common pitfalls

Q & A

Take away for participants

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

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.