



QUALITY CONTROL/QUALITY ASSURANCE

We maintain an established QA/QC Program for use in our main shops as well as our project sites. This pre-production through project completion plan is administered by our QA/QC Manager and Mechanical Coordinator, a full-time staff employee, and includes the following elements. These activities are for municipalities, pharmaceutical, bio-pharmaceutical and semi conductor applications.

- Document Control
- Measuring and Test Equipment
- Material Control
- Inspection and Testing
- Material Ordering
- Equipment Inspections
- Vendor Source Inspections
- Standard Operating Procedure Composition Per Client
- Isometric Drawing Review, Control and Validation
- Welder Qualifications Test Report (WQTR)
- Welding Procedure Specification (WPS)
- Procedure Qualification Report (PQR)
- Weld Inspection
- Borescopic Inspection
- First Piece Validation
- Component Inspection and Control
- System Slope Verification
- System Purity Level Evaluation and Control
- System Passivation
- Component Traceability
- Final Turnover Packages



In addition, all welding performed on any fabrication is completely certified to a client's code specific. Example: ASME Section IX, B31.1 and B31.3

The coordination of all our fabrication work includes:

- Coordinating all shop fabrication for the company.
- Supervising and documenting all Quality Control issues and formal documentation for specific projects standards.
- Standardizing all documentation.
- Making sure drafting and management teams have coordinated work before releasing to fabrication.
- Working with project managers and field supervision regarding needs for 3rd party QA/QC when applicable.
- Working with shop foreman and superintendents to manage the workforce required in the shop.
- Making sure all documentation, specifications, job costing, and materials have been coordinated and reviewed before releasing work for production.
- Coordinating priorities for production with shop foreman, project managers and field foreman.
- Developing new procedures to improve production, quality and maintain positive working relationship with our shop team.



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Other program facets include:

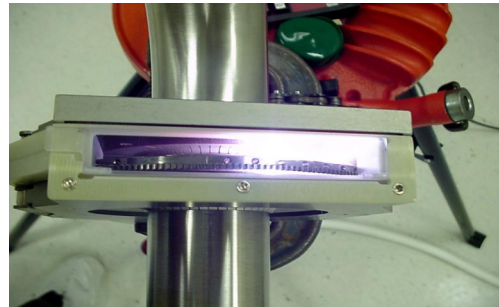
Management and coordination of all company weld documentation & procedures including shop and field inspections; high purity orbital stainless steel and black carbon steel. Effective monitoring and reviews of shop and site fabrication activities at every stage of the contract, including:

Pre-production Reviews

- Ad Hoc technical support, as necessary
- Technical evaluation and assessment of Fabrication Companies
- Preliminary review of company operating systems
- Auditing of company management systems against relevant standards
- Monitoring of pre-production fabrication trial
- Preparation and review of QA / QC documentation
- Weld Procedure Specifications
- Welding Procedure Approval Test Records
- Welder Approval Test Records
- Fabrication Method Statements
- Fabrication Standards and Specifications

Production Services

- Monitoring of QA / QC procedures
- Technical Surveillances and Patrol Inspections
- Assessment of Working Practices Against Contract Requirements
- Review of Quality Control Records Prior to Inclusion in Final Contract Data Dossier
- Ad hoc technical assistance



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