

## Quality Manager

Precision Coatings is seeking to hire a Quality Manager to provide quality assurance engineering expertise, technical guidance, and compliance support for customer requirements and quality standards. This includes advanced quality planning, development and implementation of process controls, sampling plans, and other statistical methods. The position involves “Hands on” management of quality functions for a small full-service Thermal Spray Coating job shop. The Quality Manager maintains the existing ISO 9001 system, provides quality related training, and designs and implements quality or process improvements as required. They also perform and/or supervise of all day-to-day quality assurance tasks such as directing inspection activities, performing studies, preparation of all internally and externally required reports and documentation, and customer or vendor liaison to resolve issues related to non-conforming product or materials. The QA Manager is part of a leadership team focused on the growth of the company.

Precision Coatings, Inc. (PCI) is a successful family owned and operated business located in St. Paul, Minnesota. Founded in 1988, PCI is run by a team of technically oriented and self-motivated individuals. We provide full-service thermal spray coating services as well as machining, grinding, and supply chain management. We apply durable metal and ceramic coatings to various machine components to enhance performance and extend life for demanding applications. Processes we perform include: cleaning, grit-blasting, robotic and semi-automated thermal spray operations including HVOF spray, plasma spray, arc spray and some flame spray. We provide machining of base metal parts (stainless and other alloys), cylindrical, centerless and some surface grinding, and lapping/polishing of variety of hard metals alloys and ceramics. We serve primarily OEM manufacturers in a variety of industrial markets.

### **Position Responsibilities Include:**

#### **QUALITY SYSTEMS**

- Oversee compliance of all Quality Assurance activities and the ongoing implementation of the Quality Management System. Provide leadership in the requirements of ISO 9001 Standard & future revisions.
- Work with all functional areas to define policies, procedures, and instructions for the Quality System.
- Develop new quality requirements (processes, procedures & records) to meet ongoing customer needs.
- Schedule, lead, and organize required management review meetings.
- Oversee internal auditing of the Quality Management System. Prepare associated reports. Oversee Supplier auditing and improvement.
- Ensure Corrective and Preventive Action Requests (CPA's) are processed and verified in a timely fashion.

#### **DOCUMENTATION**

- Help develop and maintain all appropriate and required Level I, II and III documents.
- Generate inspection forms and Certificates of Conformance for specific customer requirements. Ensure accurate preparation and records for all C of C's
- Process, track the status, and assist engineering in timely resolution and follow-up of all Document Control requests.

## **INSPECTION**

- Manage and direct the inspection of parts during the manufacturing process as required.
- Supervise and occasionally assist with inspection of incoming material, periodic in-process checks, and final inspections. Ensure compliance with recordkeeping.
- Assist in establishing acceptance criteria, sampling rates, review & perform dispositions on non-conforming product, product returns, and complete associated documentation.
- Ensure Nonconforming Product Reports (NC's are processed and verified in a timely fashion.
- Manage the calibration system.

## **QUALITY PLANNING**

- Initiate and administer activity related to planning quality assurance for new production or process changes.
- Participate as integral team member in planning new part production.
- Create and administer all formal documentation and processes required for part APQP / PPAP including Process Flow Charts, PFMEA's, Control Plans, Capability Studies, Gage R/R's, PSW's, etc.

## **TRAINING & SUPERVISION**

- Provide training to company personnel on the Quality Management System and other related subjects.
- Supervise and direct the inspection staff (1-2 employees Mechanical Inspector and Liquid Penetrant Inspector)

## **Education/Experience:**

- Bachelor's degree in Engineering or similar technical degree
- Minimum 10 years of Quality Engineering or related experience in a small manufacturing shop (preferably a machine shop or welding job shop)
- Experience in the implementation and maintenance of an ISO 9000 Quality Management System.
- Statistical experience with Capability Studies and other SPC practices.
- Familiarity with machining, grinding, mechanical and surface finish inspection requirements, PPAP, process control, and general ISO 9001 quality system requirements are essential. Knowledge of thermal spray coatings is helpful, but other staff can provide coating quality guidance.
- Formal training in Quality Auditing. Accreditation as Certified Quality Auditor preferred.
- Experience as a trainer of quality and technical subjects.

## **Skills Required:**

- Ability to establish inspection methods and gaging, and use basic types of gages and inspection equipment (micrometer, caliper, optical comparator, etc.)
- Understanding of industry best practices in interpreting requirements as they relate to gage/instrument selection, measurement technique, data interpretation, and possible variances and product dispositions.
- Ability to read blue prints and have a solid understanding of geometric tolerancing.
- Ability to function both as a manager and "hands on" technician as dictated by daily demands.
- Strong people skills to successfully interface with customers as well as interface with all levels internally, including ability to motivate internal efficiency of the production staff and avoid/resolve potential conflicts.
- Self- driven to continually refine systems or processes using innovation and experience to solve problems, set up new systems, and improve existing ones.

- Ability to create and manage systems appropriate for a small enterprise. Comfortable in a small business environment and function well in one in which priorities change quickly.
- Leadership skills in working with all functional areas of the company.
- Good computer skills (MS Office, and other Windows based software programs; Jobboss, UniPoint, experience helpful etc.)
- Excellent skills in oral and written communications.
- Ability to handle a variety of tasks and effectively prioritize to ensure timely completion.