



***ANSI/ISO/ASQ Q9001:2015 and SAE
Aerospace Standard AS9100D***

Corporate Quality Manual



Corporate Quality Manual

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Introduction

This manual defines the management policies of New Age Precision Manufacturing, Inc., hereafter referred to as "the company". It is intended to serve as an overview of the policies that the company uses to meet customer requirements.

The manual encompasses and complies with ANSI/ISO/ASQ Q9001:2015 and SAE AS9100D requirements.

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NEW AGE PRECISION MANUFACTURING, INC., Corporate Profile

NAPM is a fully integrated world-class manufacturer of precision sheet metal, machining, and assemblies. Our staff has a combined experience of over 100 years in the industry.

NAPM offers a full array of precision metal fabrication and dip brazing capabilities. We are able to take an item at the concept stage, made out of virtually any type of material, and make it a reality. We have invested in state of the art facilities, equipment, and personnel training to ensure that our customers' prints are made to specification and delivered as required.

NAPM offers dedicated prototype and production services: from customized single quantity items to pre-production and full production runs with unlimited quantities.

NAPM takes full responsibility and control of the engineering, manufacturing, and quality of products. Our system is robust and extensive; it is flexible in order to meet all customer system requirements, including but not limited to internal manufacturing, supplies, material, and services procured by NAPM.

NAPM offers a complete turnkey solution to our customers' manufacturing needs.

Our skilled engineering and quality staff combine the latest engineering and production techniques with practical knowledge gained from years of experience. Our customers can be assured of our ability to develop and produce products that meet the highest possible standards.

Our strong belief in flexibility and execution in the areas of product development, special processing, manufacturing, and assembly of the product have made NAPM a leader in this industry. World-class corporations (e.g., GE Aviation, Miteq, DRS, and Lockheed Martin) have acknowledged our outstanding performance and reputation for excellence in metal fabrication and dip brazing.

We possess the in-house capability for machining and fabrication of small, large, close tolerance, and exotic special plastics sources.

NAPM currently occupies a 25,000 sq. ft. manufacturing plant on two acres of land in Ronkonkoma, New York. Because of our location and land size, our capacity for growth and expansion is almost limitless.

Our mission is to exceed customer expectations and satisfaction by implementing state of art technology supported by high standards that will enable us to deliver total quality on time all the time and at competitive prices.



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We utilize the latest technology in virtually all areas, including but not limited to engineering, CNC machinery, punching, brake forming, welding, and inspection.

NAPM has developed a team of experienced engineers, planners and production specialists with proven records of accomplishment and many years of professional experience. Our staff is seasoned, well trained, and highly motivated at helping customers solve a wide range of design problems.

Our professional engineering staff will help design as well as specify products and equipment to meet customer operational needs. We can test, evaluate, and assist in the redesigning of your product to reduce cost, product performance, reliability or appearance.

NAPM is a single source for complete metal fabricating solutions. We utilize the latest in high performance and precision computer-controlled metal manufacturing equipment.

Our capabilities include but are not limited to:

Shearing	Dip Brazing/Heat Treating
Blanking	Grinding/Polishing
Punching	Assembly
Forming	Fixture Fab
Machining	Jig/Design Fab
Welding	

We use outside approved vendors for special plating and Lab testing needs.

NAPM's quality system is a full, robust, and mature program; it is in place, maintained, and consistently improved as needed. With our current customer base of military, aerospace, medical and high tech companies we are regularly audited for quality system conformance. We maintain our systems for conformance to ISO 9001, SAE AS9100D Aerospace Standard, mil standards and Nadcap Audit Criteria AC7102 Heat Treating, AC7102/1 Brazing, AC7102/2 Aluminum Heat Treating, AC7102/5 Hardness and/or Testing for Heat Treating and, AC7102/8 Heat Treating Pyrometry.



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Section 1 Scope

General

The company's management has established, implemented and will maintain and continually improve a system of management policy, practices and documents that result in customer satisfaction.

Improving productivity, performance and continuous improvement are essential components of maintaining our Quality Management System. To support these activities and to stay competitive the company has developed and implemented a program aimed at upgrading shop floor skills and other areas involving our employees within the environment of an ISO 9001 and SAE Aerospace Standard AS9100D based system and Nadcap Audit Criteria AC7102 Heat Treating, AC7102/1 Brazing, AC7102/2 Aluminum Heat Treating, AC7102/5 Hardness and/or Conductivity Testing for Heat Treating and, AC7102/8 Heat Treating Pyrometry.

The ISO 9001 and SAE Aerospace Standard AS9100D standards, upon which this manual is based, and Nadcap Audit Criteria AC7102 Heat Treating, AC7102/1 Brazing, AC7102/2 Aluminum Heat Treating, AC7102/5 Hardness and/or Conductivity Testing for Heat Treating and, AC7102/8 Heat Treating Pyrometry, provide excellent guidelines and for that reason was chosen as the foundation for our Quality Management System.

Application

The scope of application of the Quality Management System is limited to supply of finished and semi-finished solid and sheet metal products, dip brazing and related heat treating requirements for medical, commercial, defense and military original equipment manufacturers.

We have tailored the requirements of ISO 9001 and SAE Aerospace Standard AS9100D and Nadcap Audit Criteria AC7102 Heat Treating, AC7102/1 Brazing, AC7102/2 Aluminum Heat Treating, AC7102/5 Hardness and/or Conductivity Testing for Heat Treating and, AC7102/8 Heat Treating Pyrometry to meet the needs of the company.

We accept responsibility to establish, implement, maintain and improve a quality system to provide product to consistently meet customer requirements and continuous improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements. We recognize that statutory and regulatory requirements can be expressed as legal requirements and still apply to the company and requirements applicable to product.

Where required by contract or regulation, customer or statutory and regulatory agency required provisions may be incorporated into the quality system. When such provisions are part of the Quality



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Management System, a cross-reference document will be provided to easily locate the customer or other requirements within the Quality Management System.

The Quality Management System has been designed to include all requirements of ISO 9001 and the SAE Aerospace Standard AS9100D and, Nadcap Audit Criteria AC7102 Heat Treating, AC7102/1 Brazing, AC7102/2 Aluminum Heat Treating, AC7102/5 Hardness and/or Conductivity Testing for Heat Treating and, AC7102/8 Heat Treating Pyrometry.



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The following activities or processes are not within the scope of the quality system for the reasons indicated:

Activity or Process	Reason for Non applicability
Activities related to Post Delivery Activities per paragraph 8.5.5 of ISO 9001 and SAE AS9100D partial exclusion clauses; b, c, f, g, h, i	The organization does not provide after sale servicing .
Activities related to design and development in clauses 8.3 of ISO 9001 and SAE AS9100D.	The organization does not design product.

The following sections of ISO 9001 & AS9100D have been outsourced (all or in partial):

- 8.5 Some Production (e.g. Special Plating, Chemical Processing, etc.) may be performed by an outsourced manufacturer
- 7.1.5 Calibration of instruments may be performed by an outsourced calibration laboratory

Note: Outsourced processes are controlled through the Purchasing Process (PU74101)

Section 2 Quality Management System

Determining and Reviewing Internal and External Issues

Internal and External Issues are determined and reviewed during New Age Precision Manufacturing Management Review. A listing of Internal & External Issues are part of the Management Review record. Actions and Decisions based on the review of Internal & External Issues are part of the Management Review Action Item Report.

Should internal or external issues affect product quality or product delivery, New Age Precision Manufacturing communicates any contingency actions to the customer.

Interested Parties

The following are considered Interested Parties for New Age Precision Manufacturing:

- a) Ownership
- b) Employees
- c) Customers



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- c) Customers
- d) Vendors

Ethical Behavior

Representatives of New Age Precision Manufacturing conduct business activities in an ethical manner by:

- a) Following statutory and regulatory requirements in the production of product for customers
- b) Following its Engineering Change process and communicating with customers and suppliers in regards to product/process changes
- c) Identifying and mitigating instances where product safety could be an issue
- d) Working with customers and suppliers to remove suspected counterfeit parts from the manufacturing value stream.

Quality System Processes

The Quality Management System is a set of determined and defined processes we use to manage numerous linked activities to operate our business and produce the desired outcome for our customer. The processes are defined below in terms of the goal(s) of the process.

Process	Description	Process Owner
Leadership	The goal of the Leadership Process is to provide, maintain and continuously improve an environment in which our employees can become involved in achieving our organizational objectives.	Top Management
Quality System Management	The Quality System Management Process is focused on the implementation, maintenance and continuous improvement of the company's Quality Management System.	Quality Systems
Sales and Service	Our Sales and Service Process is responsible for customer related activities including determination of product related requirements, reviewing quotations, contracts and orders, communicating with customers and determining customer satisfaction.	Sales
Manufacturing Brazing	The Manufacturing Process ensures we plan and perform production under controlled conditions.	Manufacturing Brazing



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Human Resource Management	This process involves functions to ensure that personnel performing work that affects conformity to product requirements are competent through education, training or experience.	Process Owners Provide This Function for Individual Processes
Purchasing	The Purchasing Process includes activities that are targeted toward ensuring we receive the correct materials and services on time from a qualified supplier base.	Purchasing
Measuring, Monitoring and Correcting	This process is responsible for measuring and monitoring of processes and product, activities related to corrective or preventive action and prevention of use or delivery of nonconforming product through nonconformance control as well as correcting nonconformance related to the Quality Management System.	Quality Assurance

The interaction of our processes is shown in Figure 1 and Process Interrelationship chart. The organization of the company is included as Figure 2.

Process Owners

Process owners are assigned for each of the processes of the Quality Management System and documented procedures, instructions and forms used to support achievement of the goals of the process. Process owners are responsible for establishment, implementation, maintenance and continual improvement of process documentation.

Quality System Implementation

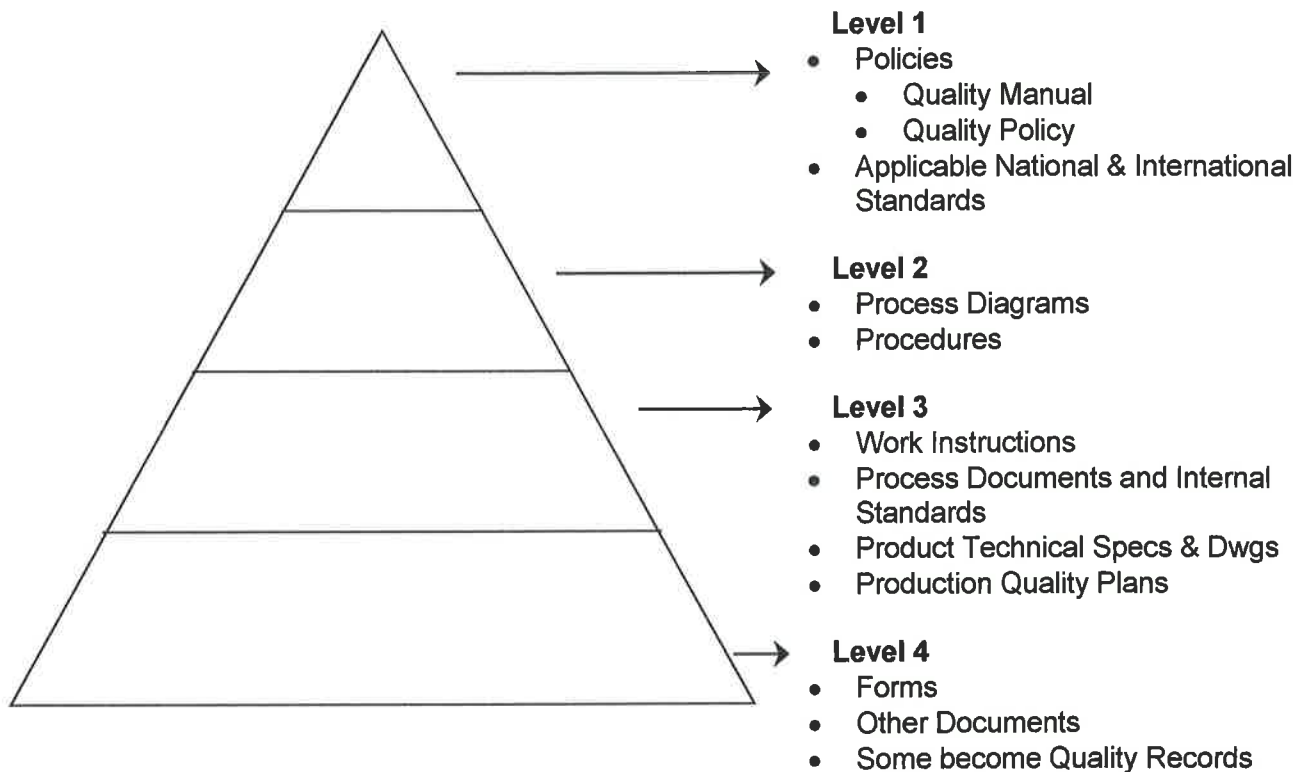
All employees who manage, perform and verify work are responsible for implementing the quality system. The Management Representative is responsible for coordinating, monitoring and auditing the system.



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Quality System Structure

The quality management system documentation is structured as follows:



Level 2 procedures included in the quality management system are identified in Figure 1 Process Interrelationship chart.

Document Approval and Issue

Documents and document changes may be initiated by anyone in the organization but may only be issued by an authorized process owner as defined in QS42301, Document Control. Documents are reviewed and approved prior to issue.



Figure 1 – Process Interrelationship

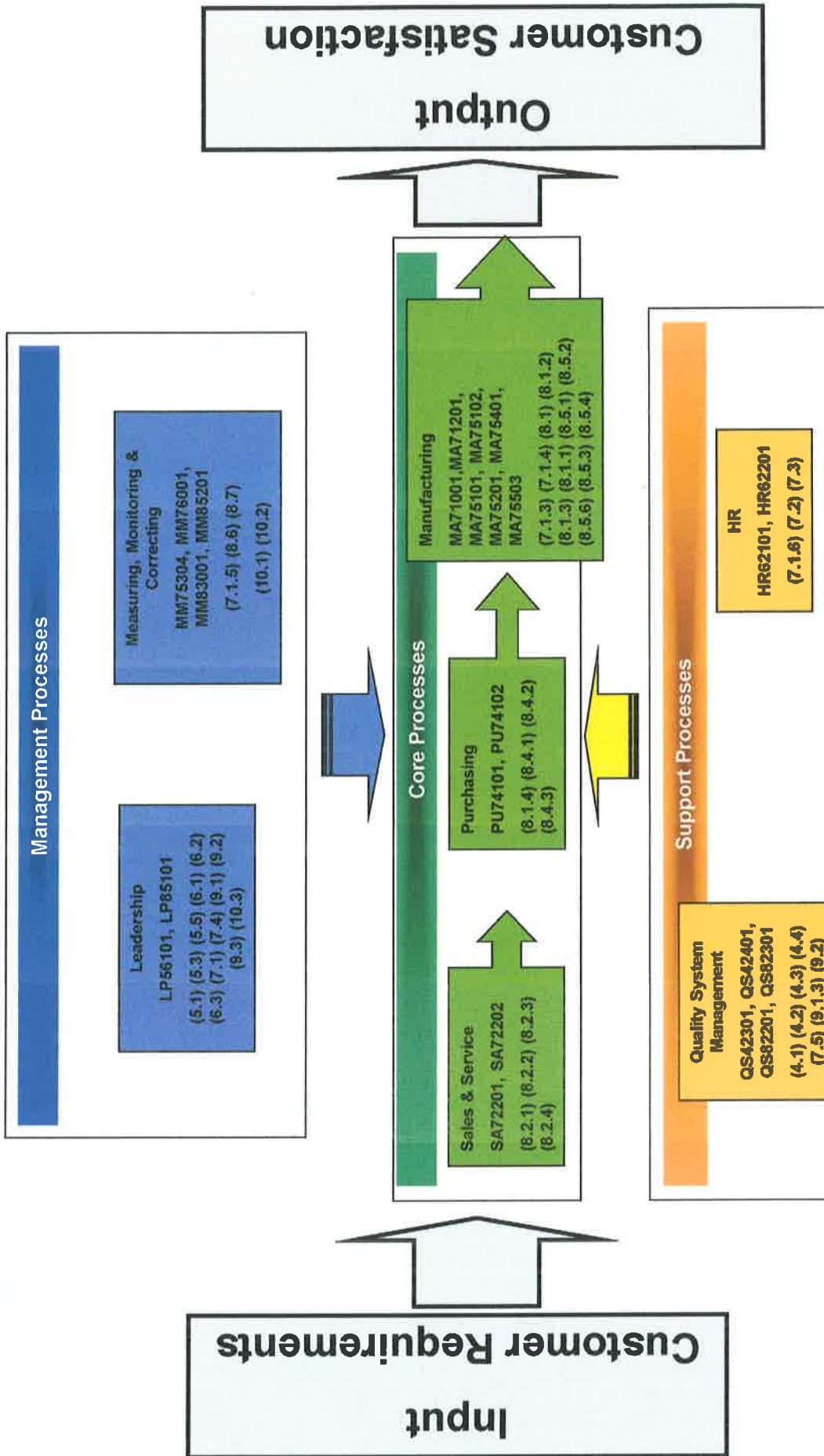
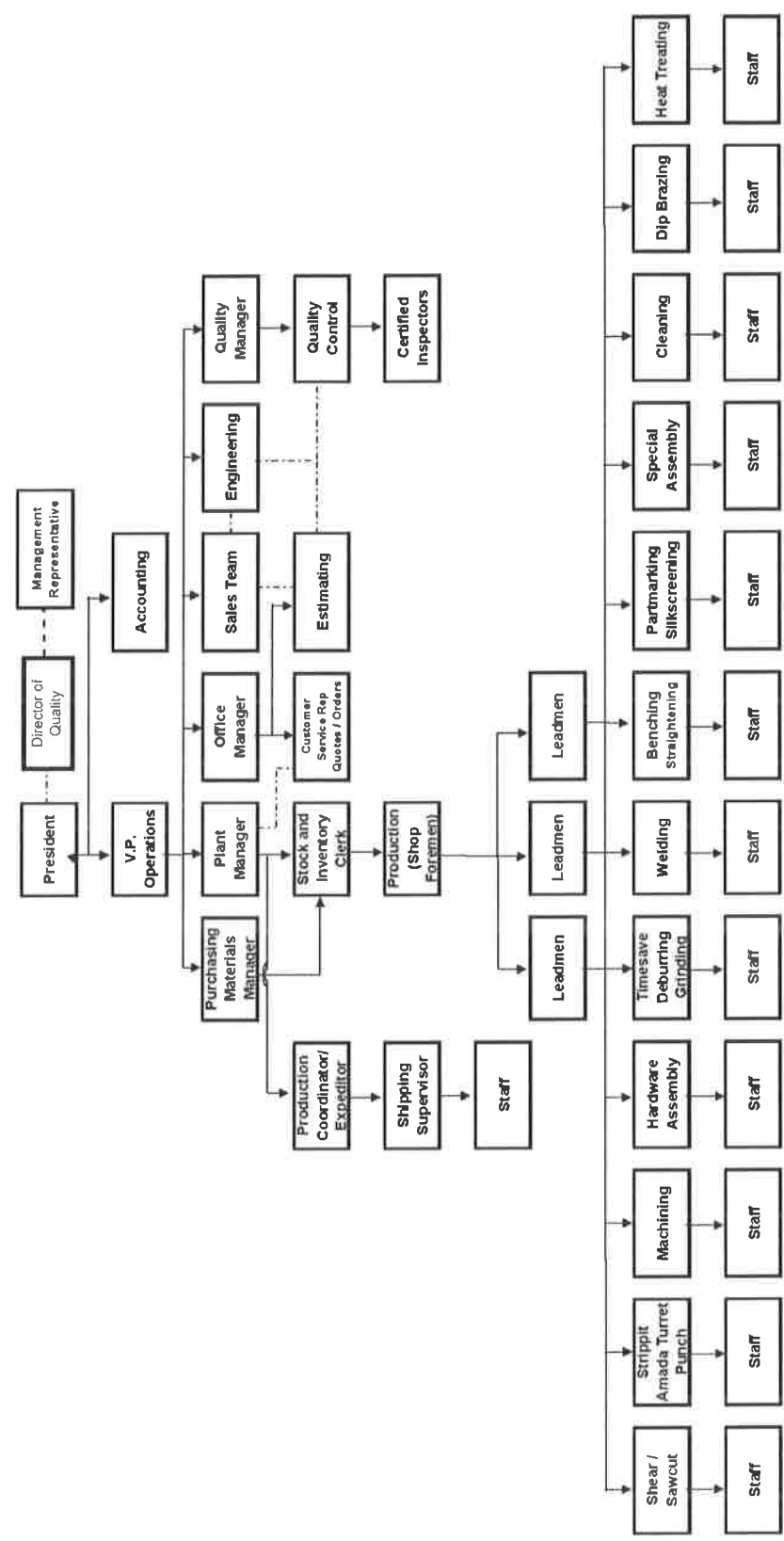




Figure 2 - Company Organization





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Management Representative

The New Age Precision Manufacturing has appointed a member of NAPM management as the Management Representative for the company. The Management Representative has the following authority and responsibility to:

- a) Ensuring that the quality management system conforms to the requirements of ISO 9001, AS9100D, Customer requirements and NAPM requirements
- b) Ensuring that NAPM processes are delivering intended outputs
- c) Reporting on the performance of the quality management system and on opportunities for improvement, in particular to leadership
- d) Ensuring the promotion of customer focus throughout the organization
- e) Ensuring that the integrity of the quality management system is maintained when changes to the quality management system are planned and implemented.
- f) Act as liaison with external parties on matters relating to the quality management system

The management representative has the organizational freedom and unrestricted access to leadership to resolve quality management issues.

Quality Objectives

The Quality Objectives of New Age Precision Manufacturing are defined in LP541010001:

New Age Precision Manufacturing objectives will be reviewed quarterly and updated accordingly.



Quality Policy

The Top Management of New Age Precision Manufacturing are committed to ensuring that the following quality policy is understood practiced and maintained.

Quality Policy

We are committed to continual improvement of our processes and products to meet or exceed our customer's requirements and to improve our productivity and efficiency.

This policy has been formulated by the President of New Age Precision Manufacturing Inc. and approved by the Top Management Team. The policy is explained and discussed at the general orientation training given to all existing and new employees. The policy is also posted in conspicuous locations throughout the company.

This policy and this manual are hereby approved.

Mario Costa, President

Date: _____

Quality Assurance Manager

Date: _____

Office Manager

Date: _____

John Walz, V.P. Operations

Date: _____

Plant Manager

Date: _____

Management Representative

Date: _____