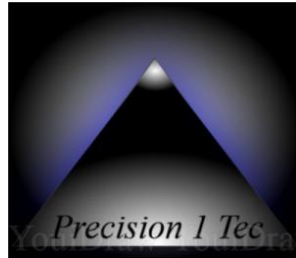


Precision1Tec



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Quality Assurance Manual

Precision1Tec

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Introduction

The Purpose of this Quality Assurance Manual is to provide an effective resource in defining test, inspection, documentation, and associated functions. The fundamental result is to produce a product that either meets or exceeds our customer's expectations. In order to affirm the objective customer quality specifications through the implementation of the Precision1Tec Quality Assurance Manual, we revised the aforesaid manual in its entirety.

All Quality Systems established in this manual will be periodically reviewed for their effectiveness.

Consequently, the changes made within this revised manual do not affect the objective of Precision1Tec; rather, they serve to incorporate superior quality control through updated specifications.

Your comments and suggestions in regard to this Quality Assurance Manual will be welcomed.

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TABLE OF CONTENTS

SECTION DESCRIPTION

1.0 REVISION LIST

2.0 GENERAL

2.1 SCOPE & QUALITY GOAL

2.2 RESPONSIBILITY

2.3 AUTHORITY

2.4 ORGANIZATION CHART

2.5 Q.A. MANUAL CONTROL

2.6 EMPLOYEE TRAINING

2.7 QUALIFICATION OF EMPLOYEES

3.0 DESIGN CONTROL

3.1 ORDER ENTRY

3.2 DESIGN

4.0 DOCUMENT CONTROL

4.1 DRAWINGS

4.2 STANDARDS

5.0 PROCESS CONTROL

5.1 WORK ORDER PREPARATION

5.2 CONTRACT REVIEW

5.3 CHANGES/ERRORS

6.0 PROCUREMENT CONTROL

6.1 PURCHASE ORDER ISSUANCE

6.2 SUPPLIER PERFORMANCE EVALUATION

6.3 SUPPLIER QUALIFICATIONS

6.4 APPROVED VENDORS LIST

6.5 RECEIVING INSPECTION

6.6 CUSTOMER SUPPLIED MATERIAL

7.0 IDENTIFICATION & TRACEABILITY

7.1 MATERIAL/PART IDENTIFICATION

7.2 COMPONENT/ASSY. IDENTIFICATION

7.3 STEEL STAMPING

7.4 CUSTOMER MARKING REQUIREMENTS

THIS DOCUMENT WHETHER CONTAINING PATENTABLE OR NON-PATENTABLE SUBJECT MATTER, EMBODIES THE PROPRIETARY AND CONFIDENTIAL INFORMATION OF PRECISION1TEC.. IT IS LOANED IN CONFIDENCE WITH THE UNDERSTANDING THAT IT WILL NOT BE REPRODUCED, USED OR DISCLOSED FOR ANY PURPOSE EXCEPT THE LIMITED PURPOSE FOR WHICH IT WAS LOANED. THIS DOCUMENT SHALL BE RETURNED TO PRECISION1TEC. UPON DEMAND.

TABLE OF CONTENTS

SECTION DESCRIPTION

8.0 INSPECTION

8.1 FIRST ARTICLE INSPECTION

8.2 IN PROCESS INSPECTION

8.3 FINAL INSPECTION

8.4 ASSY. AND TESTING

9.0 MEASURING & TEST EQUIPMENT

9.1 CALIBRATION PROGRAM

9.2 INACTIVE INSPECTION EQUIP.

9.3 ACCURACY

9.4 IDENTIFICATION

9.5 RECORDS

10.0 HANDLING & SHIPPING

10.1 HANDLING

10.2 SHIPPING

10.3 PACKAGING

10.4 CLEANING

10.5 STORAGE

11.0 ACCEPTANCE STATUS

11.1 STATUS INDICATORS

12.0 NONCONFORMANCE

12.1 NONCONFORMANCE CONTROLS

12.2 DISPOSTIONS OF N.C.

13.0 CORRECTIVE ACTION

13.1 CORRECTIVE ACTION REQUEST

14.0 OVERRUN STOCK CONTROL

15.0 RECORDS

16.0 EXHIBITS

APPENDIX A
APPENDIX B

DEFINITIONS
APPROVED VENDORS LIST

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION: 1

1.0 DOCUMENT REVISIONS

| REVISION LEVEL | DATE | DESCRIPTION |
|----------------|-------------|-------------|
| A | July 1 2016 | ISSUED |
| B | MAR 1 2017 | REVISED |
| | | |
| | | |
| | | |

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION: 2

2.0 GENERAL

2.1 SCOPE & QUALITY GOAL

2.1.1 THIS QUALITY ASSURANCE MANUAL DESCRIBES THE CONFORMANCE SYSTEM UTILIZED BY PRECISION1TEC. WHEN ENGAGED IN THE BUSINESS OF SUPPLYING MANUFACTURING AND REPAIR SERVICES.

2.1.2 IT IS PRECISION1TEC. GOAL TO MANUFACTURE PART(S) THAT EITHER MEETS OR EXCEEDS OUR CUSTOMER'S SPECIFICATIONS IN EVERY ASPECT

2.2 RESPONSIBILITY

2.2.1 THE QUALITY MANAGER IS ASSIGNED THE AUTHORITY FOR IMPLEMENTATION OF THIS QUALITY ASSURANCE MANUAL. THIS MANUAL SHALL BE APPROVED PRIOR TO USE, AMENDMENT OR REVISION BY GENERAL MANAGER AND THE QUALITY MANAGER.

2.2.2 THE QUALITY MANAGER SHALL DEVELOP AND IMPLEMENT THE NECESSARY "HOW TO" WORK LEVEL INSTRUCTIONS TO SUPPORT THIS QUALITY ASSURANCE MANUAL.

2.3 AUTHORITY

2.3.1 THE QUALITY MANAGER IS ASSIGNED THE AUTHORITY OF IMPLEMENTATION AND ADMINISTRATION OF THE QUALITY PROGRAM DESCRIBED BY THIS QUALITY ASSURANCE MANUAL. THIS POSITION IS AUTHORIZED TO RESOLVE ALL CONFLICTS BETWEEN THIS MANUAL, OTHER POLICIES AND PROCEDURES WHICH AFFECT **PRECISION1TEC**.

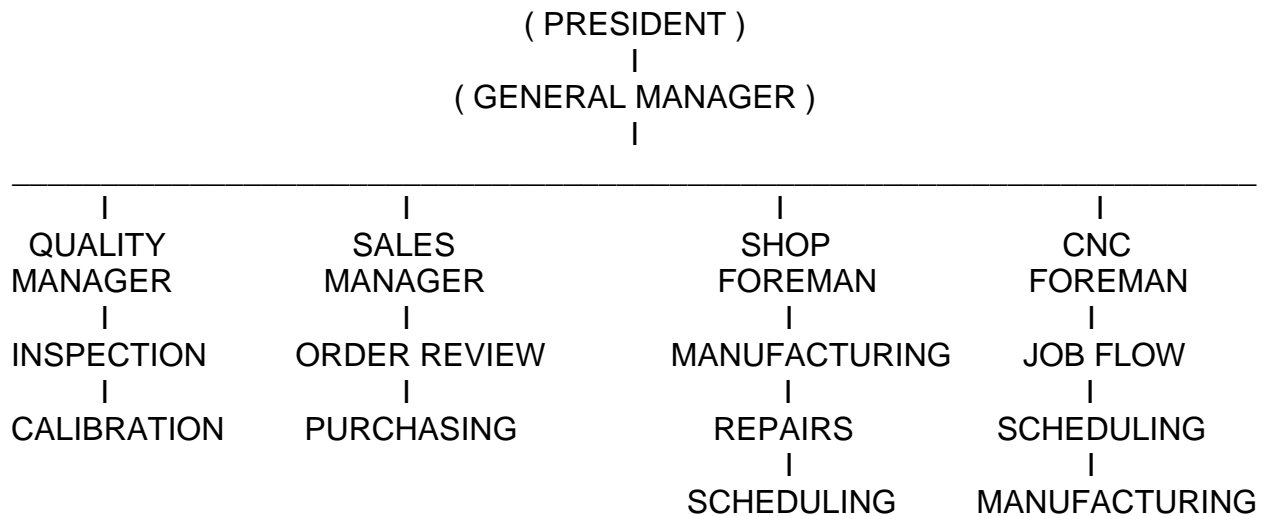
2.3.2 THE QUALITY MANAGER IS ASSIGNED THE AUTHORITY FOR THE ENFORCEMENT OF THE QUALITY PROGRAM DESCRIBED IN THIS QUALITY ASSURANCE MANUAL. THIS POSITION HAS THE AUTHORITY AND ORGANIZATIONAL FREEDOM TO:

- A) IDENTIFY PROBLEMS AFFECTING QUALITY
- B) RECOMMEND CORRECTIVE ACTION
- C) VERIFY IMPLEMENTATION OF CORRECTIVE ACTION
- D) CONTROL NONCONFORMING PRODUCTS

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION: 2

2.4 ORGANIZATION CHART



QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION: 2

2.5 QUALITY ASSURANCE MANUAL CONTROL

2.5.1 MANUAL ISSUANCE AND REVISION

2.5.1.1 THE QUALITY MANAGER SHALL BE RESPONSIBLE FOR PREPARATION AND ISSUANCE OF ALL COPIES OF THIS QUALITY ASSURANCE MANUAL.

2.5.1.2 CONTROLLED COPIES OF THIS QUALITY ASSURANCE MANUAL MAY BE ISSUED TO **PRECISION1TEC**. EMPLOYEES AND CUSTOMERS.

2.5.1.3 THE QUALITY MANAGER SHALL PERIODICALLY REVIEW THIS QUALITY ASSURANCE MANUAL FOR CHANGES REQUIRED TO MAINTAIN COMPLIANCE WITH INDUSTRY STANDARDS AND CUSTOMER REQUIREMENTS.

2.5.1.4 THE QUALITY MANAGER SHALL BE RESPONSIBLE FOR PREPARING ALL CHANGES IN THIS MANUAL. REVISIONS SHALL BE INDICATED BY A LETTER AND THE DATE IT WAS REVISED.

2.5.1.5 REVISIONS TO THIS MANUAL SHALL BE ISSUED TO HOLDERS OF CONTROLLED COPIES UPON REQUEST.

2.6 EMPLOYEE TRAINING

2.6.1 MANAGEMENT AND QUALITY MANAGER SHALL CONDUCT TRAINING AND INDOCTRINATION FOR PERSONNEL WHOSE ACTIVITIES AFFECT QUALITY TO ASSURE THAT PRODUCT QUALITY IS ACHIEVED AND MAINTAINED.

2.6.2 THE INDOCTRINATION SHALL INCLUDE ON THE JOB TRAINING BY AN EXPERIENCED SUPERVISOR.

2.6.3 EMPLOYEES SHALL BE REQUIRED TO READ AND ACKNOWLEDGE ALL INFORMATION AND GUIDELINES SETFORTH IN THE MACHINIST QUALITY GUIDELINES AND TRAINING MANUAL

2.7 QUALIFICATION OF EMPLOYEES

2.7.1 MANAGEMENT IS RESPONSIBLE FOR HIRING PERSONNEL WHO ARE QUALIFIED OR CERTIFIED BASED ON EDUCATION, EXPERIENCE, TRAINING, OR EXAMINATION AS REQUIRED/SETFORTH BY IN THE IN JOB DESCRIPTIONS IN THE MACHINIST QUALITY GUIDELINES AND TRAINING MANUAL.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION: 3

3.0 DESIGN CONTROL

3.1 ORDER ENTRY

3.1.1 WORK ORDERS ARE PREPARED FOR EVERY JOB AND SHALL REQUIRE THE FOLLOWING:

- A) PART NUMBER AND CURRENT REVISION OF PART TO BE MANUFACTURED (IF APPLICABLE).
- B) A CUSTOMER'S PURCHASE ORDER NUMBER.
- B) A DESCRIPTION OF PART TO BE MANUFACTURED.
- C) ANY SPECIAL CUSTOMER REQUIREMENTS.
- D) DRAWING(S) OR ANY PERTINENT INFORMATION REQUIRED FOR THE PROCESS OF MANUFACTURING THE PART(S) SHALL BE FURNISHED BY THE CUSTOMER.

3.2 DESIGN

3.2.1 **PRECISION1TEC.** IS IN THE BUSINESS OF SUPPLYING MACHINING AND REPAIR SERVICES AND **DOES NOT** SUPPLY DESIGN SERVICES.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION: 4

4.0 DOCUMENT CONTROL

4.1 DRAWINGS

4.1.1 DRAWINGS REPRESENT THE GEOMETRIC CONFIGURATION OF FORGING, CASTING AND STAMPING, OR FINISHED MACHINE PARTS AND ARE IDENTIFIED BY A PART AND/OR DRAWING NUMBER AND REVISION NUMBER.

4.1.2 COPIES OF A DRAWING REQUIRED TO COMPLETE A JOB SHALL BE OBTAINED FROM OUR CUSTOMERS. UPON COMPLETION OF THE JOB, ALL DRAWINGS SHALL BE RETURNED TO THE CUSTOMER UPON REQUEST.

4.1.3 UPON RECEIPT OF AN ORDER, THE REVISION NUMBER ON THE DRAWING OR PRINT SHALL BE CHECKED AGAINST THE REVISION NUMBER ON THE CUSTOMER PURCHASE ORDER.

4.1.4 CUSTOMERS/VENDORS THAT REQUIRE THEIR DRAWINGS TO BE "CONTROLLED" SHALL HAVE THEIR DRAWINGS PLACED IN A SECURE LOCATION AND SHALL BE MAINTAINED BY MANAGEMENT. DURING A REQUIREMENT FOR A "CONTROLLED DRAWING", THE DRAWING SHALL BE MARKED "CONTROLLED DRAWING" AND SHALL ONLY BE RELEASED TO MANUFACTURE THAT PART FOR THE TIME FRAME REQUIRED. ONCE THE JOB IS COMPLETED THE DRAWING SHALL BE RETURNED TO MANAGEMENT FOR SAFE KEEPING. THE FOLLOWING IS A LIST OF CUSTOMERS/VENDORS THAT REQUIRE THEIR DOCUMENTS TO BE CONTROLLED:

A)

4.2 STANDARDS

4.2.1 STANDARDS ARE WRITTEN INSTRUCTIONS DEFINING REQUIREMENTS FOR MATERIALS, PROCESSES, TESTS, EXAMINATIONS, INSPECTION, ACCEPTANCE CRITERIA, ETC., AND FULLY DESCRIBE HOW THE WORK IS TO BE PERFORMED.

4.2.2 COPIES OF STANDARDS REQUIRED TO COMPLETE A JOB SHALL BE OBTAINED FROM OUR CUSTOMERS. UPON COMPLETION OF THE JOB, ALL STANDARDS SHALL BE RETURNED TO THE CUSTOMER UPON REQUEST.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION: 5

5.0 PROCESS CONTROL

5.1 WORK ORDERS

5.1.1 WORK ORDERS ARE PREPARED TO CUSTOMER PURCHASE ORDER AND SPECIFY THE FOLLOWING INFORMATION, AS APPLICABLE:

- A) PART AND REVISION NUMBER
- B) QUANTITY & DESCRIPTION OF PART TO BE MANUFACTURED OR REPAIRED.
- C) ANY SPECIAL CUSTOMER REQUIREMENTS
- D) DATE ORDERED AND DATE REQUIRED
- E) MATERIAL ORDER NUMBER
- F) ANY SPECIAL SHIPPING INSTRUCTIONS
- G) CUSTOMER/BUYER
- H) CUSTOMER PURCHASE ORDER NUMBER

5.1.2 A SUPERVISOR SHALL PREPARE THE WORK ORDER. IT SHALL BE THE RESPONSIBILITY OF THE SUPERVISOR TO INDICATE ALL SPECIAL REQUIREMENT NOTES OF THE CUSTOMERS PURCHASE ORDER ON THE WORK ORDER.

5.1.3 THE USE OF ALTERNATIVE MATERIALS SHALL BE APPROVED BY OUR CUSTOMERS ENGINEERING OR Q.C. DEPARTMENT.
(REF: DEVIATION/WAIVER REQUEST FORM DWR-001)

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION: 5

5.2 CONTRACT REVIEW

5.2.1 UPON RECEIPT OF CUSTOMER PURCHASE ORDER, THE FOLLOWING INFORMATION SHALL BE REVIEWED BY THE GENERAL MANAGER.

- A) PART AND REVISION NUMBER
- B) QUANTITY AND DESCRIPTION OF PART
- C) PURCHASE ORDER NUMBER
- D) DATE ORDERED AND DATE REQUIRED
- E) PRICING/COST
- F) ANY SPECIAL INSTRUCTIONS

IF ALL INFORMATION IS ACCEPTABLE, THE CUSTOMER PURCHASE ORDER SHALL BE INITIALED BY THE GENERAL MANAGER.

5.3 CHANGES / ERRORS

5.3.1 UPON FINDING A CHANGE/ERROR ON AN APPROVED DOCUMENT DEFINED BY THIS PROGRAM THE CHANGE/ERROR MAY BE CORRECTED BY DRAWING A SINGLE LINE THROUGH THE CHANGE/ERROR AND INSERTING THE CORRECT INFORMATION BY AN INDIVIDUAL WITHIN THE ORGANIZATION RESPONSIBLE FOR APPROVAL OF THE DOCUMENT OR BY RETRIEVING ALL AFFECTED DOCUMENTS AND REPLACING THEM WITH CORRECTED INFORMATION AND/OR CHANGES.

5.3.2 WHEN MULTIPLE COPIES OF A DOCUMENT HAVE BEEN ISSUED, ALL COPIES MUST BE RETRIEVED FOR CORRECTION PER 4.3.1.

5.3.3 THE CHANGE/ERROR SHALL BE INITIALED AND DATED

5.3.4 THE PRODUCTION MANAGER SHALL BE RESPONSIBLE FOR IMPLEMENTING ANY CHANGES/CORRECTIONS THAT WILL EFFECT MANUFACTURING.

5.3.5 THE CUSTOMER SHALL BE INFORMED IF DEEMED NECESSARY.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION: 6

6.0 PROCUREMENT CONTROL

6.1 PURCHASE ORDER PREPARATION AND ISSUANCE

6.1.1 THE PROCUREMENT OF PRODUCT RELATED MATERIAL AND/OR SERVICE SHALL BE CONTROLLED TO ASSURE CONFORMANCE TO REQUIREMENTS. THE PROCUREMENT DOCUMENTS SHALL INCLUDE OR REFERENCE INSTRUCTIONS, PROCEDURES, SPECIFICATIONS AND DRAWINGS AS APPLICABLE.

6.1.2 PURCHASING SHALL PREPARE AND ISSUE A PURCHASE ORDER WHICH DETAILS THE FOLLOWING AS APPLICABLE:

- A) SUPPLIER'S NAME
- B) QUANTITY
- C) DESCRIPTION AND/OR SPECIFICATIONS PERTAINING TO THE ITEM(S) ORDERED. (EX. ALLOY, HEAT TREATMENT, HARDNESS, DIMENSIONS, ETC.)
- D) A REFERENCE TO THE JOB NUMBER THAT THE ITEM(S) WERE ORDERED FOR.

6.1.3 REVISION NUMBERS FOR PART NUMBER, STANDARD NUMBER, AND DRAWING NUMBER, WILL BE SPECIFIED BY CUSTOMER'S P.O.

6.1.4 THE PURCHASE ORDER SHALL ONLY BE ISSUED TO A QUALIFIED SUPPLIER ON THE APPROVED VENDORS LIST. SUPPLIERS SHALL BE QUALIFIED AS DESCRIBED IN SECTION 6.3.

6.1.5 PURCHASE ORDERS SHALL BE REVIEWED AND APPROVED BY THE PURCHASING DEPARTMENT, TO ASSURE COMPLIANCE WITH THE CUSTOMER'S PURCHASE ORDER REQUIREMENTS.

6.2 SUPPLIER PERFORMANCE EVALUATION

6.2.1 PURCHASING SHALL ANALYZE SUPPLIER NONCONFORMANCE DATA PERIODICALLY. IN THE EVENT THERE IS A REPETITIVE NONCONFORMANCE, THE GENERAL MANAGER OR THE QUALITY MANAGER SHALL INITIATE A CORRECTIVE ACTION REQUEST BY MEANS OF THE CORRECTIVE ACTION REQUEST PROCEDURE OUTLINED IN SECTION 13.0

6.2.2 SUPPLIERS FAILING TO SATISFY CORRECTIVE ACTION REQUEST SHALL BE SUBJECT TO REMOVAL FROM APPROVED VENDORS LIST, OR AS DETERMINED BY THE GENERAL MANAGER.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION: 6

6.3 SUPPLIER QUALIFICATION

6.3.1 SUPPLIERS SHALL BE INITIALLY APPROVED IN ACCORDANCE WITH THE REQUIREMENTS AS STIPULATED BY OUR CUSTOMERS.

6.4 APPROVED VENDORS LIST

6.4.1 PURCHASING SHALL DEVELOP & MAINTAIN A LIST OF APPROVED SUPPLIERS

6.4.2 PURCHASING SHALL CONDUCT AN EVALUATION AND REVIEW OF "KEY" VENDORS ONCE PER YEAR USING FORM SUPPLIER-01. THE VENDOR WILL BE EVALUATED ON THE FOLLOWING CRITERIA:

- (A) QUALITY PERFORMANCE
- (B) PRICE PERFORMANCE
- (C) DELIVERY PERFORMANCE

IF THE VENDOR'S EVALUATION SCORE IS CONSIDERED TO BE UNSATISFACTORY, THEN THAT VENDOR SHALL BE PLACED ON PROBATION AND NOTIFIED BY PURCHASING OF THAT STATUS. THE VENDOR THEN SHALL BE RE-EVALUATED AFTER A PERIOD OF 3 MONTHS. IF THE VENDOR'S PERFORMANCE HAS NOT IMPROVED THEN THAT VENDOR SHALL BE REMOVED FROM THE APPROVED VENDORS LIST.

6.5 RECEIVING INSPECTION

6.5.1 PURCHASE ORDERS SHALL BE ISSUED WITH THE CLEAR UNDERSTANDING THAT COMPANY PERSONNEL HAVE THE RIGHT TO INSPECT MATERIALS AND/OR SERVICES AT THE SUPPLIERS FACILITY PRIOR TO SHIPMENT TO **PRECISION1TEC**.

6.5.2 UPON RECEIPT OF MATERIAL, RECEIVING SHALL RETRIEVE AND REVIEW A COPY OF THE PURCHASE ORDER. RECEIVING SHALL DETERMINE IF ALL DOCUMENTATION SPECIFIED ON THE PURCHASE ORDER HAS BEEN FURNISHED AND SHALL REVIEW AND APPROVE DOCUMENTATION TO ASSURE COMPLIANCE WITH PURCHASE ORDER REQUIREMENTS.

6.5.3 RECEIVING SHALL PERFORM A RECEIVING INSPECTION USING PROCUREMENT DOCUMENTS. RECEIVING SHALL DOCUMENT THE RECEIVING INSPECTION RESULTS ON THE PURCHASE ORDER AND SIGN-OFF ON THE PURCHASE ORDER TO INDICATE ACCEPTANCE OF MATERIAL AND DOCUMENTS.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION: 6

6.5.4 UPON RECEIPT AND ACCEPTANCE OF RAW MATERIAL, RECEIVING SHALL WRITE HEAT NUMBER(S) OR MILL CERTIFICATION NUMBER ON THE PURCHASE ORDER FOR PURPOSE OF TRACEABILITY.

6.5.5 AFTER ACCEPTANCE RECEIVING SHALL MARK MATERIAL AS FOLLOWS:

1. IF MATERIAL IS ORDERED FOR A SPECIFIC JOB, THE MATERIAL WILL BE MARKED WITH A WHITE PAINT OR BLACK PEN WITH THE CORRESPONDING JOB NUMBER.
2. IF MATERIAL IS FOR STOCK, FOR FUTURE ORDERS AND IS NOT BE IMMEDIATELY USED, THE SIZE, ALLOY TYPE, AND PURCHASE ORDER NUMBER SHALL BE WRITTEN ON THE MATERIAL WITH WHITE OR BLACK PAINT MARKER.

6.5.6 UNACCEPTABLE PARTS SHALL BE CONTROLLED IN ACCORDANCE WITH THE NONCONFORMANCE PROCEDURE OUTLINED IN SECTION 12.0.

6.6 PROCEDURE FOR CUSTOMER SUPPLIED MATERIAL, GAUGES, TOOLING

6.6.1 ALL MATERIAL RECEIVED BY **PRECISION1TEC**, THAT IS FURNISHED BY

THE CUSTOMER SHALL BE REVIEWED FOR CONFORMANCE TO THE PURCHASE ORDER, DRAWINGS, OR OTHER RELATED DOCUMENTATION REGARDLESS OF WHERE THE MATERIAL ORIGINATED. AFTER REVIEW THE MATERIAL SHALL BE MARKED WITH THE CORRESPONDING JOB NUMBER WITH A WHITE OR BLACK PAINT PEN.

6.6.2 ANY TOOLING, GAUGES, JIGS, OR FIXTURING SUPPLIED TO MANUFACTURE A PART OR ASSEMBLY WILL BE IDENTIFIED WITH THE CUSTOMER'S PART NUMBER, CUSTOMER'S NAME, AND THE CORRESPONDING JOB NUMBER.

6.6.3 IF CUSTOMER SUPPLIES JIGS, FIXTURES, OR GAUGES TO BE USED FOR PART QUALIFICATION AND ACCEPTANCE, BAUMAN MACHINE INC, RESERVES THE RIGHT TO REQUEST A CUSTOMER GENERATED INSPECTION PROCEDURE DETAILING HOW SUPPLIED ITMES ARE TO BE USED. THIS PROCEDURE WILL BE REFERENCED ON THE JOB TRAVELER AND ANY INSPECTION RECORDS THAT MAY BE GENERATED.

6.6.4 IF ANY TOOLS, GAUGES, JIGS, OR FIXTURES ARE FOUND TO BE SUB-STANDARD OR OUT OF CALIBRATION, THE ISSUER WILL BE NOTIFIED AND THE ITEMS WILL BE QUARANTINED UNTIL PROPER NOTIFICATION HAS BEEN RECEIVED BY THE ISSUER. FURTHER PROCESSING OF THE ORDER WILL IMMEDIATELY HALT UNTIL THE PROBLEM HAS BE RESOLVED.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION:7

7.0 IDENTIFICATION & TRACEABILITY

7.1 MATERIAL/PART IDENTIFICATION

7.1.1 MATERIAL AND PARTS SHALL BE IDENTIFIED & TRACEABLE THROUGHOUT THE ENTIRE MANUFACTURING STAGES, UNTIL SHIPPED. WITH A UNIQUE JOB NUMBER THAT CROSS REFERENCES TO THE CUSTOMER'S PURCHASE ORDER NUMBER, AND MATERIAL PURCHASE ORDER NUMBER.

NOTE: WHEN SIZE, CONFIGURATION, OR SURFACE OF THE PART WILL NOT PERMIT PROPER IDENTIFICATION, THE PART MAY BE A TAGGED, OR PUT INTO A PROPERLY MARKED CONTAINER.

7.1.2 HEAT TRACEABLE PARTS SHALL BE IDENTIFIED WITH THE **PRECISION1TEC** PURCHASE ORDER NUMBER WHICH CORRELATES TO THE RAW MATERIAL PROCUREMENT.

7.1.3 WHEN MATERIAL IS PURCHASED FOR A SPECIFIC PART, THE MATERIAL SHALL BE MARKED WITH THE CORRESPONDING JOB NUMBER

7.1.4 WHEN IDENTIFICATION MARKING IS REMOVED DURING PROCESSING, IT SHALL BE RE-MARKED IN ACCORDANCE WITH THE REQUIREMENTS OF THE WORK ORDER/JOB NUMBER, AS APPLICABLE

7.2 COMPONENT/ASSEMBLY IDENTIFICATION

7.2.1 COMPONENTS OF ASSEMBLIES SHALL BE IDENTIFIED WITH THEIR ORIGINAL PURCHASE ORDER NUMBER UNTIL THEY ARE ASSEMBLED. AFTER ASSEMBLY, THE PURCHASE ORDER WILL THEN BE REMOVED AND THE PART WILL THEN BE MARKED WITH THE CORRESPONDING JOB NUMBER

7.3 STEEL STAMPING

7.3.1 WHEN STEEL STAMPS ARE USED TO APPLY IDENTIFICATION DATA, THEY SHALL BE OF THE LOW STRESS TYPE UNLESS SPECIFIED BY CUSTOMER.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION:7

7.4 CUSTOMER MARKING REQUIREMENTS

7.4.1 WHEN REQUIRED BY A CUSTOMER, THEY MAY FURNISH A SERIAL NUMBER, LOT NUMBER, HEAT NUMBER OR PURCHASE ORDER NUMBER, THAT WILL IDENTIFY MATERIALS AND WILL BE APPLIED TO THEIR SPECIFICATION(S) TO THE FINISHED GOOD(S) AND **PRECISION1TEC**, INTERNAL IDENTIFICATION NUMBER WILL BE REMOVED.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION:8

8.0 INSPECTION

8.1 FIRST ARTICLE INSPECTION

8.1.1 THE FIRST ARTICLE OF EACH OPERATION SHALL BE 100% INSPECTED AND DOCUMENTED BY QUALIFIED INDIVIDUAL USING CALIBRATED EQUIPMENT.

8.1.2 AFTER FIRST ARTICLE HAS BEEN PERFORMED IT SHALL BE VERIFIED BY ANOTHER INDIVIDUAL AND SIGNED OFF ON THE JOB TRAVELER.

8.2 IN-PROCESS INSPECTION/PROCEDURES

8.2.1 IN PROCESS INSPECTION SHALL BE PERFORMED BY THE OPERATOR(S)/MACHINIST.

8.2.2 IN PROCESS INSPECTION SHALL BE RECORDED ON JOB TRAVELER.

8.2.3 THE SAMPLE SIZE WILL BE BASED ON ANSI ASQ Z1.4

8.2.3.1 DETERMINATION OF THE INSPECTION REQUIREMENTS WILL BE DEPENDENT ON THE TYPE OF PART, CYCLE TIME AND THE QUANTITY OF THE PARTS TO BE MACHINED.

8.2.3.2 CHARACTERISTICS TO BE INSPECTED WILL BE DETERMINED BY THE . QUALITY CONTROL AND PRODUCTION MANAGER FOR EACH OPERATION. THE TYPE OF PART, CYCLE TIME AND QUANTITY WILL AID IN THIS DETERMINATION

8.2.4 IN THE EVENT OF A REJECTTION DURING ANY IN-PROCESS MACHINING, THE REJECTED PART(S) WILL BE CLEARLY IDENTIFIED BY RED PAINT AND MARKED WITH THE DISCREPANCY.

8.2.5 REJECTED PART(S) WILL FOLLOW THE NONCONFORMANCE PROCEDURE AS DESCRIBED IN SECTION 12.0

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION:8

8.3 FINAL INSPECTION

8.3.1 PRODUCTS SHALL BE REVIEWED TO VERIFY CONFORMANCE TO CUSTOMER REQUIREMENTS.

8.3.2 INSPECTION FOR ACCEPTANCE SHALL BE PERFORMED BY THE MACHINE OPERATOR USING EMPLOYEE OWNED EQUIPMENT THAT HAS BEEN CALIBRATED PER PARAGRAPH 9.1.4, OR CALIBRATED BMI EQUIPMENT.

8.3.3 UNACCEPTABLE PARTS SHALL BE PROCESSED IN ACCORDANCE WITH THE NONCONFORMANCE PROCEDURE DESCRIBED IN SECTION 12.0. REWORKED/REPAIRED PARTS SHALL BE RE-INSPECTED.

8.4 ASSEMBLY AND TESTING PROGRAM

8.4.1 PRODUCTS SHALL BE ASSEMBLED AND TESTED IN ACCORDANCE WITH WRITTEN INSTRUCTIONS CONFORMING TO THE APPLICABLE CUSTOMER'S ENGINEERING SPECIFICATIONS.

8.4.2 EACH COMPONENT OR ASSEMBLY SHALL BE SUBJECTED TO A FUNCTIONAL TEST AS APPLICABLE. THE FUNCTIONAL TEST SHALL VERIFY PROPER ASSEMBLY AND OPERATION.

8.4.3 THE ACCEPTANCE OF TESTING SHALL BE CONTROLLED BY PERSONS OTHER THAN THOSE WHO MANUFACTURED THE ITEM BEING TESTED.

8.4.4 ALL NONCONFORMING ASSEMBLIES ARE IDENTIFIED AND SEGREGATED TO PRECLUDE ANY CHANCES OF THEM BEING USED ACCIDENTALLY AND WILL BE SUBJECT TO THE NONCONFORMANCE PROCESS PER SECTION 12.0.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION:9

9.0 MEASURING AND TEST EQUIPMENT

9.1 CALIBRATION PROGRAM

9.1.1 MEASURING AND TEST EQUIPMENT USED FOR ACCEPTANCE SHALL BE CALIBRATED IN ACCORDANCE WITH INDUSTRY RECOGNIZED STANDARDS AND SHALL BE SUITABLE FOR ITS INTENDED USE. GAGES AND EQUIPMENT SHALL BE IDENTIFIED FOR CALIBRATION WITH A CALIBRATION LABEL, INDICATING CALIBRATION DATE AND THE DUE DATE. CALIBRATION FREQUENCY AND PROCEDURES SHALL BE PERFORMED TO **PRECISION1TEC** CALIBRATION PROCEDURE MANUAL.

9.1.2 MEASURING AND TEST EQUIPMENT FOUND TO BE OUT OF CALIBRATION SHALL BE EVALUATED TO DETERMINE IMPACT ON PRODUCTS ACCEPTED WITH THE DISCREPANT MEASURING AND TEST EQUIPMENT.

9.1.3 CALIBRATION SHALL BE TRACEABLE TO NATIONAL STANDARDS WHERE SUCH EXIST OR TO ACCEPTED VALUES OF PHYSICAL CONSTANTS WHERE NATIONAL STANDARDS DO NOT EXIST.

9.1.4 PRIOR TO START OF EACH JOB, EMPLOYEE OWNED MEASURING EQUIPMENT THAT IS TO BE USED, SHALL BE CHECKED WITH CALIBRATED STANDARDS THAT ARE MAINTAINED BY THE QUALITY MANAGER.

9.1.5 ITEMS NOT REQUIRING CALIBRATION SHALL BE CLEARLY MARKED "FOR REFERENCE USE ONLY."

9.1.6 GAUGES WITHOUT THE PROPER CALIBRATION LABEL SHALL BE CONSIDERED OUT OF CALIBRATION AND NOT AUTHORIZED FOR USE.

9.1.7 WHEN GAUGES ARE FOUND TO BE WORN OR DAMAGED AT ANY TIME, THEY WILL BE IMMEDIATELY CORRECTED OR REPLACED AND NOTED IN THE MASTER CALIBRATION LOG.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION:9

9.2 INACTIVE INSPECTION EQUIPMENT

9.2.1 DUE TO THE NATURE OF OUR BUSINESS, SOME ITEMS OF INSPECTION EQUIPMENT, FOR EXAMPLE, A NON-STANDARD THREAD GAUGE, IS USED FOR ONE SPECIFIC PART OR COMPANY AND MAY BE INACTIVE FOR A LONG PERIOD, PENDING REORDER OF THAT PART. WHEN IT IS EXPEDIENT TO WITHDRAW SUCH INACTIVE EQUIPMENT FROM CALIBRATION CONTROL TO AVOID NEEDLESS CALIBRATION EXPENSES, THE ITEM WILL BE CLEARLY IDENTIFIED BY A TAG OR LABEL READING "CALIBRATE BEFORE USE" AND WILL BE SEGREGATED FROM CALIBRATED ITEMS TO PREVENT INADVERTENT USE. WHEN THE INACTIVE ITEM IS REPLACED INTO USE, IT SHALL BE RECALIBRATED.

9.3 ACCURACY

9.3.1 THE ACCURACY OF MEASURING AND TEST EQUIPMENT SHALL MEET THE REQUIREMENTS OF APPLICABLE INDUSTRY STANDARD. WHEN ACCURACY IS NOT SPECIFICALLY SPECIFIED, ACCURACY WILL MEET THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS OR OTHER INDUSTRY RECOGNIZED STANDARDS.

9.4 IDENTIFICATION

9.4.1 MEASURING AND TEST EQUIPMENT MAINTAINED BY THE QUALITY MANAGER SHALL BE IDENTIFIED WITH A UNIQUE NUMBER FOR TRACEABILITY TO CALIBRATION RECORDS AND STATUS.

9.4.2 CALIBRATED STATUS SHALL BE IDENTIFIED ON THE MEASURING AND TEST EQUIPMENT MAINTAINED BY THE QUALITY MANAGER.

9.5 RECORDS

9.5.1 CALIBRATION HISTORY SHALL BE MAINTAINED AND INCLUDE AS A MINIMUM:

- A) DATE CALIBRATED
- B) EQUIPMENT SERIAL NUMBER
- C) INDIVIDUAL WHO PERFORMED THE CALIBRATION
- D) NEXT CALIBRATION DUE DATE
- E) RECORDED CALIBRATION

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION:10

10.0 HANDLING AND SHIPPING

10.1 HANDLING

10.1.1 MATERIAL AND PRODUCTS WILL BE PROTECTED FROM DAMAGE DURING HANDLING OR MOVEMENT. ANY SPECIAL HANDLING REQUIRED BY THE CUSTOMER WILL BE REFERENCED ON THE JOB TRAVELER

10.2 SHIPPING

10.2.1 THE MODE OF TRANSPORTATION SHALL BE CONSISTENT WITH THE PROTECTION REQUIRED DURING TRANSIT, OR AS REFERENCED ON THE JOB TRAVELER.

10.2.2 PACKING LIST SHALL BE ISSUED AS SHIPPING TICKETS AND SHALL INDICATE THE PURCHASING COMPANY NAME, THE PURCHASING AGENT, AND A DESCRIPTION OF THE EQUIPMENT OR PART CONTAINED AND/OR DELIVERED.

10.3 PACKAGING

10.3.1 ALL FINISHED UNITS SHALL BE MARKED AND PACKAGED ACCORDING TO THE CUSTOMERS SPECIFICATION(S)

10.4 CLEANING

10.4.1 ALL ASSEMBLIES SHALL BE THOROUGHLY CLEANED OF DIRT, CUTTING OIL, METAL CHIPS AND OTHER CONTAMINATES. ANY SPECIAL CLEANING REQUIRED BY THE CUSTOMER WILL BE REFERENCED ON THE JOB TRAVELER.

10.5 STORAGE

10.5.1 ALL CERTIFIED RAW MATERIALS SHALL BE KEPT SEPARATE FROM UNIDENTIFIED MATERIAL

10.5.2 EXTRA COMPONENTS OR PARTS SHALL BE TAGGED/MARKED WITH THE CUSTOMERS NAME, PART NUMBER, AND ORIGINAL MATERIAL PURCHASE ORDER NUMBER (IF APPLICABLE) AS DESCRIBED IN SECTION 14.0.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION:11

11.0 ACCEPTANCE STATUS

11.1 STATUS INDICATORS

11.1.1 THE FOLLOWING STATUS INDICATORS ARE USED BY **PRECISION1TEC**
AS APPLICABLE:

- A) PAINT MARKING
- B) TAGS
- C) STEEL STAMPING
- D) SIGN-OFF ON PROCESSING DOCUMENTATION
- E) SERIALIZATION

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION:12

12.0 NONCONFORMANCE

12.1 CONTROL OF NONCONFORMING PARTS, MATERIALS, SERVICES AND/OR ACTIVITIES.

12.1.1 PARTS, MATERIALS, SERVICES AND/OR ACTIVITIES WHICH ARE DETERMINED TO BE UNACCEPTABLE OR UNDETERMINED DURING INSPECTION OR TESTING, SHALL BE CLASSIFIED AS DISCREPANT ITEMS.

12.1.2 THE QUALITY MANAGER OR SHOP FOREMAN SHALL EITHER PAINT NONCONFORMING PARTS RED OR SEGREGATE THE ITEMS FROM THOSE ITEMS WHICH ARE ACCEPTABLE FROM THOSE THAT ARE UNACCEPTABLE.

12.1.3 NO ONE IS AUTHORIZED TO REMOVE NON-CONFORMING ITEMS FROM A SEGREGATED AREA UNTIL EITHER THE QC MANAGER, OR THE PRODUCTION MANAGER PERFORMS A REVIEW ON THE PART AND MAKES A DETERMINATION AS DESCRIBED IN SECTION 12.2.

12.2 FINAL DISPOSITION OF DISCREPANT PARTS, MATERIAL AND SERVICES

12.2.1 THE GENERAL MANAGER, SHOP FOREMAN OR QUALITY MANAGER SHALL DETERMINE THE FINAL DISPOSITION OF DEFECTIVE ITEMS.

A) **AUTHORIZED DEVIATION**-THE QUALITY MANAGER SHALL UTILIZE THIS DISPOSITION ONLY AFTER CUSTOMER AUTHORIZATION (REF: DEVIATION/WAIVER REQUEST FORM DWR-001 AND ONLY UNDER THE FOLLOWING CONDITIONS:

1) DISPOSITION CAN BE SUPPORTED TECHNICALLY AND DOES NOT COMPROMISE THE PERFORMANCE, INTERCHANGEABILITY, OR SAFETY OF THE PRODUCT

2) CHARACTERISTICS CONTROLLED UNDER THE JURISDICTION OF INDUSTRY STANDARDS OR CUSTOMER SPECIFICATIONS ARE NOT SUBJECT TO CONCESSION.

B) **REWORK**-THE REWORK DISPOSITION IS APPLICABLE TO PARTS THAT CAN BE RESTORED TO SPECIFICATION WITHOUT THE USE OF SPECIAL PROCESSES.

C) **REPAIR**-THE REPAIR DISPOSITION IS APPLICABLE WHEN SPECIAL PROCESSES SUCH AS WELDING AND/OR HEAT TREATING IS REQUIRED TO RESTORE THE ITEM TO IT ORIGINAL SPECIFICATION(S).

QUALITY ASSURANCE MANUAL

REVISION: B

REVISION DATE: MAR 1 2017

SECTION:12

D) SCRAP-THE QUALITY MANAGER SHALL AUTHORIZE THIS DISPOSITION UNDER THE FOLLOWING CONDITIONS:

1) ITEM CANNOT BE RESTORED TO SPECIFICATION AND IS NOT SUITABLE FOR AN " AUTHORIZED DEVIATION".

2) REWORK/REPAIR REQUIRED TO RESTORE ITEM TO SPECIFICATION CANNOT BE ECONOMICALLY JUSTIFIED.

NOTE: NON CONFORMANCE PARTS SHALL BE SEGRATED FROM CONFORMING PARTS OR PAINTED RED IMMEDIATELY FOR USE AS A TEST PIECE.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION:13

13.0 CORRECTIVE ACTION

13.1 CORRECTIVE ACTION REQUEST

13.1.1 WHEN ANY CONDITION ADVERSE TO QUALITY IS IDENTIFIED, THE QUALITY MANAGER SHALL BE NOTIFIED. THE GENERAL MANAGER OR THE QUALITY MANAGER SHALL, AT THEIR DISCRETION, PREPARE AND ISSUE A CORRECTIVE ACTION REQUEST TO THE INDIVIDUAL OR COMPANY RESPONSIBLE FOR THE NONCOMPLIANCE

13.1.2 THE RECIPIENT SHALL DOCUMENT THE CAUSE OF THE NONCOMPLIANCE, CORRECTIVE ACTION TAKEN AND ACTION TAKEN TO MINIMIZE RECURRENCE

13.1.3 A COPY OF ALL CORRECTIVE ACTION REQUEST SHALL BE FORWARDED TO THE GENERAL MANAGER UPON COMPLETION.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION:14

14.0 OVERRUN STOCK CONTROL

14.1 THE QC MANAGER OR THE PRODUCTION MANAGER SHALL HAVE THE RESPONSIBILITY FOR THE CONTROL OF ANY JOB OVERRUN STOCK.

14.2 THE PART(S) REFERRED FOR STOCK WILL BE PROPERLY IDENTIFIED AS TO INSPECTION STATUS (ACCEPTED) PART NUMBER, DRAWING NUMBER, REVISION LEVEL, MANUFACTURED DATE, JOB NUMBER, AND QUANTITY. IN ADDITION, IT SHALL BE THE RESPONSIBILITY OF THE QC MANAGER OR PRODUCTION MANAGER TO ENSURE THE PARTS ARE ACCEPTABLY PACKAGED TO PREVENT DETERIORATION OR DAMAGE DURING STORAGE.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION:15

15.0 RECORDS

15.1 IDENTIFICATION OF APPLICABLE RECORDS

RECORD DEPARTMENT PERIOD

QUALIFICATION RECORDS QUALITY 5 YEARS

PROCESS ROUTINGS QUALITY 5 YEARS

PROCUREMENT DOCUMENTS QUALITY 5 YEARS

TRACEABILITY RECORDS QUALITY 5 YEARS

INSPECTION RECORDS QUALITY 5 YEARS

CALIBRATION RECORDS QUALITY 5 YEARS

NONCONFORMANCE DATA QUALITY 5 YEARS

CORRECTIVE ACTIONS QUALITY 5 YEARS

DEVIATION/WAIVER REQUEST QUALITY 5 YEARS

DISCREPANT MATERIAL REPORT QUALITY 5 YEARS

15.2 RECORD STORAGE

15.2.1 RECORDS SHALL BE COMPILED AND MAINTAINED TO PROVIDE OBJECTIVE EVIDENCE THAT PRODUCTS CONFORM TO THIS PROGRAM. THESE RECORDS SHALL BE MAINTAINED FOR A MINIMUM OF FIVE (5) YEARS IN A RETRIEVABLE MANNER AND PROTECTED AGAINST DAMAGE OR LOSS.

15.2.2 WHERE NATIONAL, INDUSTRY, OR PRODUCT STANDARDS REQUIRE RECORD RETENTION IN EXCESS OF FIVE (5) YEARS, THEN APPLICABLE STANDARDS SHALL PREVAIL.

QUALITY ASSURANCE MANUAL

REVISION: B
REVISION DATE: MAR 1 2017
SECTION:16

16.0 EXHIBITS INDEX

NUMBER-- DESCRIPTION

16.1 REPAIR WORK ORDER

16.2 JOB TRAVELER

16.3 ORDER ACKNOWLEDGMENT

16.4 PURCHASE ORDER

16.5 CORRECTIVE ACTION REQUEST FORM

16.6 DEVIATION/WAIVER REQUEST FORM

APPENDIX A

DEFINITIONS

ACCEPTANCE CRITERIA-DEFINED LIMITS PLACED ON CHARACTERISTICS OF MATERIALS, PRODUCTS OR SERVICES

APPROVAL-AN ACT OF ENDORSING OR ADDING POSITIVE AUTHORIZATION OR BOTH.

ASSEMBLY-A COMBINATION OF COMPONENTS ASSEMBLED TOGETHER TO FORM A UNIT.

AUDIT-A DOCUMENTED INVESTIGATION CONDUCTED BY THE MANUFACTURER TO VERIFY THAT APPLICABLE REQUIREMENTS ARE BEING IMPLEMENTED.

CALIBRATION-COMPARISON AND ADJUSTMENT TO A STANDARD OF KNOWN ACCURACY

COMPONENT-A PIECE OF EQUIPMENT WHICH WILL BE COMBINED WITH OTHER COMPONENTS TO FORM AN ASSEMBLY.

CONFORMANCE-COMPLIANCE WITH SPECIAL REQUIREMENTS

CONTROL FEATURE-A DOCUMENTED ACTIVITY TO ENSURE CONFORMANCE WITH SPECIFIC REQUIREMENTS.

CORRECTIVE ACTION-MEASURES TAKEN TO RECTIFY CONDITIONS ADVERSE TO QUALITY AND TO MINIMIZE RECURRENCE.

DOCUMENTATION-WRITTEN OR GRAPHIC EVIDENCE THAT AN ACTIVITY,

PROCESS, PRODUCT OR SERVICE MEETS ALL SPECIFIED REQUIREMENTS.

DESIGN-A DETAILED PLAN FOR A PRODUCT.

EQUIPMENT-ANY SINGLE COMPLETED UNIT THAT CAN BE USED FOR ITS INTENDED PURPOSE WITHOUT FURTHER PROCESSING OR ASSEMBLY.

FINDING-SURVEY ORIGINATED OBJECTIVE EVIDENCE THAT A CONTROL FEATURE OF THE APPROVED PROGRAM WAS NOT IMPLEMENTED WITH AN ACCEPTABLE LEVEL OF RELIABILITY.

INSPECTION-A PHASE OF QUALITY WHICH BY MEANS OF EXAMINATION, OBSERVATION OR MEASUREMENT DETERMINES THE CONFORMANCE OF MATERIALS, PARTS, COMPONENTS OR ASSEMBLIES TO PREDETERMINED REQUIREMENTS.

NATIONAL STANDARDS-THOSE STANDARDS WHICH ARE RECOGNIZED OR ACCEPTED BY GOVERNMENTS OR POLITICAL SUBDIVISIONS HAVING STATED VALUES AND ESTABLISHED AS RULES.

NONCONFORMANCE-ANY DEVIATION FROM SPECIFIED REQUIREMENTS.
OBJECTIVE EVIDENCE-FACTS WHICH ARE OBSERVED AND DOCUMENTED.
PART-INDIVIDUAL PIECES USED IN THE ASSEMBLY OF SINGLE EQUIPMENT UNITS.

PROCEDURE-A DOCUMENT THAT SPECIFIES OR DESCRIBES HOW ACTIVITY IS TO BE PERFORMED. IT MAY INCLUDE METHODS TO BE EMPLOYED, EQUIPMENT OR MATERIALS TO BE USED AND SEQUENCE OF OPERATIONS.

QUALIFIED PART-A PART MANUFACTURED IN ACCORDANCE WITH INDUSTRY REQUIREMENTS AND PRODUCED TO MEET OR EXCEED THE PERFORMANCE OF THE ORIGINAL PART.

QUALITY-CONFORMANCE TO SPECIFIED REQUIREMENTS.

QUALITY ASSURANCE-THOSE PLANNED, SYSTEMATIC AND PREVENTIVE ACTIONS WHICH ARE REQUIRED TO ENSURE THAT MATERIAL, PRODUCTS AND SERVICES WILL MEET SPECIFIED REQUIREMENTS.

QUALITY CONTROL-INSPECTION, TEST OR EXAMINATION TO ENSURE THAT MATERIAL, PRODUCTS OR SERVICES CONFORM TO SPECIFIED REQUIREMENTS.

QUALITY PROGRAM-AN ESTABLISHED CONFORMANCE SYSTEM TO ENSURE QUALITY.

REPORTS-A DOCUMENTED SUMMARY.

REPAIR-TO RETURN TO GOOD CONDITION.

RESPONSIBLE-ALL RESPONSIBILITIES FOR THIS QUALITY PROGRAM ARE ASSIGNED TO MANAGEMENT PERSONNEL. THIS ASSURES ACCOUNTABILITY AND FULL INVOLVEMENT OF EACH MANAGEMENT LEVEL. DELEGATION OF AUTHORITY, BUT NOT RESPONSIBILITY, IS PERMISSIBLE AND EXPECTED.

REVIEW-THE PROCESS OF EXAMINING DOCUMENTATION OR PROCESS TO ASSURE CONFORMANCE WITHOUT AUTHENTICATION.

SAMPLING-SAMPLING INSPECTION OR TESTS SHALL BE IN ACCORDANCE WITH THE APPLICABLE PRODUCT SPECIFICATION OR CUSTOMER REQUIREMENTS AS APPLICABLE.

SOURCE EVALUATION-AN ON-SITE REVIEW OF A SUPPLIER'S FACILITY TO ASSURE CONFORMANCE TO THE SUPPLIER'S QUALITY PROGRAM.

SUPPLIER-ANY INDIVIDUAL OR ORGANIZATION WHO FURNISHES MATERIALS, PRODUCTS OR SERVICES TO THE MANUFACTURER.

SPECIFICATION-A CONCISE STATEMENT OF A SET OF REQUIREMENTS TO BE SATISFIED BY A PRODUCT, A MATERIAL OR PROCESS INDICATING, WHENEVER APPROPRIATE, THE PROCEDURE BY MEANS OF WHICH IT MAY BE DETERMINED WHETHER THE REQUIREMENTS GIVEN ARE SATISFIED.

SPECIAL PROCESS-WELDING, HEAT TREATMENT AND NDE EXAMINATION ARE DEFINED AS SPECIAL PROCESS.

STANDARD-THE RESULT OF A PARTICULAR STANDARDIZATION EFFORT APPROVED BY A RECOGNIZED AUTHORITY.

SURVEY-A DOCUMENTED INVESTIGATION, INCLUDING EXAMINATION OF OBJECTIVE EVIDENCE.

TESTING-THE DETERMINATION OF VERIFICATION OF THE CAPABILITY OF PRODUCTS TO MEET SPECIFIED REQUIREMENTS BY SUBJECTING THE PRODUCTS TO A SET OF PHYSICAL, CHEMICAL, ENVIRONMENTAL OR OPERATION CONDITIONS.

TRACEABILITY-THE ABILITY TO DETERMINE THE ORIGINATION OF A COMPONENT OR ASSEMBLY BY DOCUMENTATION.

TRACEABILITY JOB LOT-THE ABILITY FOR PARTS TO BE IDENTIFIED AS ORIGINATING FROM A JOB LOT WHICH IDENTIFIES THE INCLUDED HEAT NUMBERS.

VERIFY-TO DETERMINE CONFORMANCE TO SPECIFIED REQUIREMENTS.

VISUAL EXAMINATION-EXAMINATION OF PARTS AND EQUIPMENT FOR VISIBLE DEFECTS IN WORKMANSHIP.

APPENDIX B

PRECISION1TEC.

APPROVED VENDORS LIST

SUPPLIER NAME: MATERIAL/SERVICE

Mcmaster-Carr.com -----Materials and Supplies.
Street: PO BOX 680
City: ELMHURST
State/Province: IL
Country: UNITED STATES

Wasatch Steel -----Steel Supplier
243 W 3300 S, Salt Lake City, UT 84115

Western States Metals-----Metal Supplier
798 West 1700 South
Salt Lake City, UT 84104

Ryerson-----Metal Supplier
560 S Main St Clearfield, UT 84015

Regional Supply-----Plastics Supplier
4517 West 1730 South
Salt Lake City, Utah 84104

Industrial Heat Treat Co.-----Metal Heat Treating
454 W 600 N Salt Lake City, UT 84103

MSC Industrial Supply Co.----- Tool Supplier
75 Maxess Road
Melville, NY 11747-3151

Tektronix - Salt Lake City -----Calibration Lab
799 E. Utah Valley Dr.
American Fork, Utah 84003-9775

