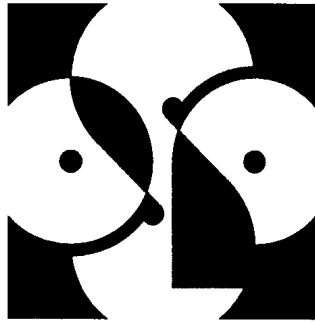


O R E G O N
S • W • I • S • S
P R E C I S I O N

QUALITY CONTROL MANUAL

2143 N.E. Spalding Ave. • Grants Pass, OR 97526 • 541 476-1150 • Fax 541 476-2041

mike@oregonswiss.com • www.oregonswiss.com



OREGON SWISS PRECISION, INC.

QUALITY CONTROL MANUAL

Approved by:

Mike Anderson
Name

[Signature]
Signature

President
Title

1/23/07
Date

DAVID ANDERSON
Name

[Signature]
Signature

VICE PRESIDENT
Title

1/23/07
Date

OREGON SWISS PRECISION, INC.

QUALITY CONTROL MANUAL

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OREGON SWISS PRECISION, INC.

QUALITY CONTROL MANUAL

REVISION RECORD

SECTION	REVISION	DATE REVISED	CHANGE DESCRIPTION
1.0	2	2/28/03	Customized
2.0	1	9/1/98	Customized
3.0	1	9/1/98	Customized
4.0	1	9/1/98	Customized
5.0	1	9/1/98	Customized
6.0	1	9/1/98	Customized
7.0	1	9/1/98	Customized
8.0	1	9/1/98	Customized
9.0	1	9/1/98	Customized
10.0	2	2/28/03	Customized
11.0	1	9/1/98	Customized
12.0	1	9/1/98	Customized
13.0	1	9/1/98	Customized
14.0	1	9/1/98	Customized
15.0	2	2/28/03	Customized
16.0	1	9/1/98	Customized
Appendix A	2	3/1/00	Customized
Appendix B	2	3/1/00	Customized
Appendix C	2	3/1/00	Customized
Appendix D	2	3/1/00	Customized
Appendix E	2	3/1/00	Customized
Appendix F	2	3/1/00	Customized

OREGON SWISS PRECISION, INC.

INTRODUCTION

This manual is issued to describe the Quality Control System to be employed at Oregon Swiss Precision, Inc. (further to be known as OSP) to assure compliance with OSP customer quality standards. The policy of OSP is to apply the system to articles and materials received by OSP as well as to articles produced by OSP or its suppliers for end use by OSP customers. This manual provides personnel and customers of OSP with a description of company policy for maintaining an effective and economical Quality Control System.

Written procedures for implementing the policies described herein shall be established as dictated by complexity of the product design, manufacturing techniques employed and customer requirements.

No changes in the manual or supplementary Quality Control Procedures are valid until approved by the Plant Manager or his assignee.

OREGON SWISS PRECISION, INC.

1.0 SCOPE

Rev 2

- 1.1 The Quality Control System encompasses receipt of parts and material, identification, stocking and issue of parts and material, the entire process of fabrication and manufacturing, packaging, storage and shipping.
- 1.2 The system is designed to assure that supplies or services performed at OSP or at OSP supplier facilities are subject to adequate control of quality to ensure customer satisfaction. This system is designed to provide for early detection of discrepancies and positive corrective action.
- 1.3 Written inspection and test procedures prepared to supplement applicable drawings and other specifications to the extent necessary.
- 1.4 There will be an annual review of the Quality Control System performed by all OSP managers: Production, Quality Control, Shifts and Sales.

OREGON SWISS PRECISION, INC.

2.0 RESPONSIBILITIES OF QUALITY CONTROL

Rev 1

- 2.1 The Quality Control Manager reports directly to the Plant Manager.
- 2.2 The Quality Control Manager is responsible to ensure the following:
 - 2.2.1 Interpretation of conformance to customer quality requirements.
 - 2.2.2 Review of customer drawings and specifications.
 - 2.2.3 Determination of necessary inspection points.
 - 2.2.4 Documentation of necessary inspection and test instructions.
 - 2.2.4.1 Establishing a change control procedure for such documents.
 - 2.2.5 Planning, developing, initiating, coordinating, implementing and maintaining the most effective and efficient procedures for optimum quality assurance.
 - 2.2.6 Maintenance of adequate quality control records.
 - 2.2.7 Review of quality control records and internal corrective action follow-up.
 - 2.2.8 Maintain a file on each subcontractor. Copies of all rejection memoranda pertinent to each subcontractor, shall be attached to the file and used for evaluation to accept or eliminate as an approved vendor. Advise Purchasing of any changes.
 - 2.2.9 Original and continuing periodic inspection of all special and standard gages, test equipment and tooling used to manufacture product.

- 2.2.10 Coordinate in-plant corrective action on items rejected by the customer, notify customer of the action taken and evaluate the action for effectiveness.
- 2.2.11 Assure that inspection personnel are capable of rendering an unbiased decision to accept or reject any material inspected.
- 2.2.12 Company-owned gages, inspection devices and test equipment will be made available to the customer when there is a need to verify product conformance.

OREGON SWISS PRECISION, INC.

3.0 PURCHASE ORDER CONTROL

Rev 1

- 3.1 All purchase orders to OSP suppliers require authorization by the Plant Manager or his authorized representative.
- 3.2 Upon release of a purchase order, the buyer will furnish OSP vendor with all required drawings, specifications and necessary customer requirements, such as material or process certification, physical and chemical analyses.
- 3.3 In the event of a drawing or specification change, the buyer will issue a purchase order change, incorporating the latest engineering changes and latest drawings or other specifications.
- 3.4 Copies of all the purchase orders are assigned OSP job numbers, to be kept on file in job folders and be made available for review upon request by the customer.
- 3.5 Purchase orders shall be coordinated with the Quality Control Manager for verification to assure that the specifications and required inspection details are adequately covered in the written purchase order or package.

OREGON SWISS PRECISION, INC.

4.0 DRAWING AND SPECIFICATION CHANGE CONTROL Rev 1

- 4.1 OSP fabricates and manufactures to customer drawings and/or specifications, which are filed in job folders.
- 4.2 Production Control is responsible for the charging out and controlling issuance of drawings and specifications. Production Control will issue shop travelers to route parts and materials and establish inspection and test points. The Quality Control Manager will review shop travelers prior to issue.
- 4.3 The Sales Department receives engineering changes, drawing changes and specification changes from OSP customers and is responsible to immediately forward customer changes to Production Control.
- 4.4 Production Control is responsible for issuing the latest shop travelers, engineering changes, drawings and specifications to the cognizant departments and voiding outdated shop travelers, engineering changes, drawings, specifications and maintaining job folders.

OREGON SWISS PRECISION, INC.

5.0 RECEIVING INSPECTION

Rev 1

- 5.1 All parts and materials are received and logged in by the Receiving Department.
- 5.2 All parts and materials are presented to Receiving Inspection after being logged in by the Receiving Department.
- 5.3 Receiving Inspection will not accept parts and/or materials until it has been determined that the proper certifications have been received, for physical and chemical test data, special processes, Government or OSP Source Inspection.
- 5.4 The Receiving Inspector shall document the results of all inspections and/or tests.
- 5.5 Accepted lots are identified by Inspection and sent to stock.
- 5.6 Rejected lots are identified and held segregated in Receiving Inspection until disposition is made by the Buyer and Production Control.
- 5.7 The Purchasing Department and applicable vendors will receive a copy of all Receiving Department rejection reports.
- 5.8 Corrective action to prevent recurrence of discrepancies discovered by Receiving Inspection is the responsibility of the Purchasing Department.
- 5.9 Follow-up to ensure that corrective action taken by a vendor was effective is a Quality Department responsibility.
- 5.10 Receiving Inspection instructions are issued in written form, as applicable, with consideration given to complexity of the parts,

material received and customer requirements. If applicable, the material will be inspected to customer furnished inspection instructions.

- 5.11 Sampling plans utilized conform to OSP Sample Plan, latest revision or customer requirements.
- 5.12 A periodic review is made of Receiving Inspection records by the Quality Department to detect vendor process capability problems.
- 5.13 Receiving inspection records will include the number inspected, number rejected, date of inspection and positive identification of the inspector.

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6.0 RAW MATERIAL CONTROL

Rev 1

- 6.1 Raw material, bar stock, sheet stock and castings are identified to the proper certification and are stored in an area apart from the normal flow of in process material.
- 6.2 Copies of all certifications are filed in the job folder by job order number and are available for review at the customer's request.
- 6.3 Only Receiving Inspection accepted raw material is released for production.
- 6.4 Certified stock is issued from the raw material storage area to comply with the job folder requirements.
- 6.5 Verification of suppliers certifications are accomplished by independent testing laboratories when deemed necessary by the Quality Department or OSP customer purchase order requirements.
- 6.6 All certifications will be identifiable to the applicable job number, date of receipt of the material and the inspector who inspected the material.

OREGON SWISS PRECISION, INC.

7.0 CUSTOMER FURNISHED MATERIAL

Rev 1

- 7.1 This section applies to all customer furnished materials unless excluded from these requirements by contractual agreement.
- 7.2 Receiving Inspection is to examine all customer furnished materials, upon receipt for transit damage, completeness, proper type, verification of quantity and proper identification.
- 7.3 Functional testing will take place either prior to or after installation, or both, as required by contract to determine satisfactory operation.
- 7.4 Periodic inspection and precautions to assure adequate storage conditions to prevent damage will be conducted by the Quality Department.
- 7.5 All customer furnished material will be identified and kept segregated to prevent improper use or disposal.
- 7.6 All discrepancies shall be immediately reported to the proper customer representative.

OREGON SWISS PRECISION, INC.

8.0 IN-PROCESS INSPECTION
(PIECE PARTS)

Rev 1

- 8.1 First article inspection is performed by the Quality Department after set up is complete and approved by Production.
- 8.2 No production runs are made until first article inspection is completed and found acceptable.
- 8.3 After first article inspection acceptance, in-process inspections are performed by Quality Department at adequate intervals to provide early detection of process producing nonconforming material.
- 8.4 Records of all first article and in-process inspections are maintained by the Quality Department.
- 8.5 Inspection records are stored in the job folder and are available for customer review.
- 8.6 Rejected items are clearly identified by a tag or other applicable means and moved to an area apart from the normal flow of in-process materials.
- 8.7 Obtaining corrective action and performing follow-up action to prevent recurrence of discrepant material is the responsibility of the Quality Department.
- 8.8 First article inspection records will include job number, date of inspection, approval or disapproval of physical dimensions and positive identification of the inspector.
- 8.9 In-process inspection records will include job number, inspection intervals, approval or disapproval of physical dimensions and positive identification of the inspector.

OREGON SWISS PRECISION, INC.

9.0 ASSEMBLY INSPECTION AND/OR FUNCTIONAL TESTING Rev 1

- 9.1 Assembly inspection and any necessary functional testing is performed, as required, by Production personnel.
- 9.2 The Quality Department performs surveillance inspection of the functional tests in accordance with a specified sampling procedure.
- 9.3 Inspection records are maintained by Quality Department personnel.
- 9.4 Inspection records are filed in the job folder and will be available for customer review on request.
- 9.5 All nonconforming assemblies are identified and segregated to preclude any chance of accidentally being used.
- 9.6 Obtaining corrective action and performing follow-up action to prevent recurrence of discrepant material is the responsibility of Quality Department.
- 9.7 First article inspection records will include job number, date of inspection, approval or disapproval of physical dimensions and positive identification of the inspector.
- 9.8 In-process inspection records will include job number, inspection intervals, approval or disapproval of physical dimensions and positive identification of the inspector.

OREGON SWISS PRECISION, INC.

10.0 FINAL INSPECTION AND TESTS

Rev 2

10.1 Final inspection and tests are performed 100 percent or on a sample basis, as applicable to complexity of the items produced and/or customer requirements.

10.2 Sampling inspection shall conform as follows:

Normal Sampling Plan

<u>Lot Size</u>	<u>Sample</u>	<u>AC</u>
2-8	ALL	0
9-90	8	0
91-280	15	1
281-500	25	1
501-1200	40	1
1201-3200	60	2

Reduced Sampling Plan

<u>Lot Size</u>	<u>Sample</u>	<u>AC</u>
1-6	ALL	1
7-13	ALL	1
13-17	ALL	1
18-32	17	1
33-37	17	1
38-44	18	1
45-68	19	1
69-100	20	1
101-183	21	1
184-500	50	1
501-1200	80	1
1201-3200	125	1
3201-10,000	200	1
10,001-35,000	350	1

AC: Lot is acceptable with this number of defectives in Sample. If the AC number is exceeded, the lot must be screened 100 percent for discrepant characteristic.

- 10.3 Final inspection and test reports are maintained by the Quality Department.
- 10.4 Inspection and test records are filed in the job folder and will be available for review upon the request of the customer.
- 10.5 Corrective action and performing follow-up action to prevent recurrence of discrepant material is the responsibility of the Quality Department.
- 10.6 All nonconforming material is identified and segregated apart from the normal flow of finished material.
- 10.7 Nonconforming material is not released for shipment to the customer with out specific instructions from the customer to submit the nonconforming material.
- 10.8 Rejected material, which is subjected to any repair or sorting, is resubmitted to Final Inspection for verification of the adequacy of the rework.
- 10.9 Final inspection records will include the job number, date of the inspection, lot quantity, sample quantity, number of parts accepted, number rejected, nature of defects and basic causes of rejection, and positive identification of the inspector.

OREGON SWISS PRECISION, INC.

11.0 NONCONFORMING MATERIAL CONTROL

Rev 1

- 11.1 All nonconforming supplies, parts and/or materials are placed in a segregated area. The items will be clearly identified to job number, part number, discrepant characteristic, inspector's name and other identification as required.
- 11.2 The nonconforming characteristic(s) are clearly indicated on a rejection tag attached to each part or container.
- 11.3 No one is authorized to remove nonconforming items from the segregated area until a review is completed by a Material Review Board consisting of the Plant Manager, a Production representative and a Quality Department representative. When there is a requirement for Customer Source Inspection, the applicable representative must be part of the review committee when the discrepancy is likely to affect form, fit, function or safety.
- 11.4 Nonconforming material will not be shipped, until concurrence from the customer is received.
 - 11.4.1 All nonconforming material shipped to the customer shall have the discrepancy clearly indicated on the shipping documents.
- 11.5 The integrity of all lots submitted to acceptance inspection are maintained under the control of the Quality Department at all times and will be segregated from normal material flow.
- 11.6 During the processing of material, a system will be used to assure proper sequence and completion of production and inspection activities.
- 11.7 A system of inspection status will be used to identify the status of inspected material.

- 11.8 Unidentified material is segregated from the normal flow of production material until conformance of material to all specifications is established.
- 11.9 Reworked material is segregated from other material until conformance of material to all specifications is established by the Quality Department.

OREGON SWISS PRECISION, INC.

12.0 TOOL AND GAUGE CONTROL

Rev 1

- 12.1 All special tools, jigs, fixtures, gauges and measuring equipment shall be properly identified.
- 12.2 Each new or reworked tool, jig, fixture, gauge and items of measuring equipment are inspected prior to being issued for use.
- 12.3 All gauges, measuring and test equipment are checked to standards which are traceable to the National Institute of Standards and Technology.
- 12.4 A written schedule of frequencies for calibrating gauges, measuring and test equipment is maintained and is strictly adhered to. The schedule is based on type, purpose and severity of usage.
- 12.5 A restricted area is maintained for storage and calibration of gauges, measuring and test equipment.
- 12.6 Correlation of special gauging supplied by OSP customer is inspected in accordance to the schedule supplied by the customer. If no schedule is supplied, a schedule will be assigned, based on type, purpose and severity of usage.
- 12.7 Calibration is performed in accordance with written procedures maintained in the calibration area.
- 12.8 Obsolete or out-of-service tools and gauges are identified by tags.
- 12.9 Decals or stickers are applied to tools and gauges, their storage containers or a selected appropriate location. The decals or stickers show the date of calibration, the due date for the next calibration and identification of inspector.
- 12.10 Calibration of personal or company owned inspection tools is required.

OREGON SWISS PRECISION, INC.

13.0 OVERRUN STOCK CONTROL

Rev 1

- 13.1 The Quality Department shall have the responsibility of surveillance of any overrun stock.
- 13.2 The Quality Department will assure that any overrun parts presented for stock are properly identified as to OSP job number, customer part number, latest revision, quantity of parts, and that the parts are adequately packaged to prevent deterioration or damage.
- 13.3 No overrun parts are shipped to a customer until it is determined that they are in acceptable condition and meet all the latest drawing and specification revisions.

OREGON SWISS PRECISION, INC.

14.0 PACKAGING AND SHIPPING

Rev 1

- 14.1 No order will be shipped to a customer until all final inspection records are identified by the Final Inspector's acceptance stamp or Inspector's signature and date of inspection acceptance.
- 14.2 No material will be shipped until all required certifications, test reports, special samples, etc., have been packaged with the material in accordance to OSP customer requirements.
- 14.3 All items shall be packaged in a manner that prevents damage, deterioration or substitution.
- 14.4 Adequate marking shall appear on the packaging, parts and as otherwise necessary to provide positive identification to the applicable customer.
- 14.5 Any required special packaging will be controlled as specified by OSP customer.

OREGON SWISS PRECISION, INC.

15.0 IDENTIFICATION OF PARTS

Rev 2

- 15.1 Parts will be marked in accordance with customer requirements and specifications.
- 15.2 Materials and articles having a critical application may also be identified by a serial number or lot number.
- 15.3 All parts in-process will be marked with corresponding OSP job number and customer part number.

OREGON SWISS PRECISION, INC.

16.0 PROCESS CONTROLS

Rev 1

- 16.1 Process controls shall be an integral part of OSP inspection system when such inspections are part of the specification or contract. The shop traveler will indicate each inspection point.
- 16.2 Special Processes: only approved vendors will be used to do special processes. For example: welding, plating or radiography will be controlled by Vendor Surveys and/or OSP Source Inspections to ensure conformance to customer requirements.

OREGON SWISS PRECISION, INC.

FINAL INSPECTION REPORT

Rev 2

<input type="checkbox"/> FINAL INSPECTION REPORT <input type="checkbox"/> RECEIVING INS REPORT - VENDOR		COMPANY: 534T1 CIRCLE SEAL: PART #: REV: - WORK CENTER: OPERATIONS:	
--	--	--	--

JOB #	WC	ZONE	DIMENSION	ACCEPTED QTY	REJECTED QTY	NATURE OF DEFECT	REWORK	SORT	USE AS IS
ORDER QTY			REVIEW ALL NOTES						
DUE DATE			REVIEW TOLERANCE BLOCK						
BAR QTY			REVIEW GEOMETRIC TOLERANCING						
INS INTERVAL			REVIEW OVERALL FINISHES/WORKMANSHIP						
COMPANY CIRCLE SEAL	B	1	.500/.505 HEX						
DESCRIPTION	L1	2	NOTE 2- .520/.511 DIA THRU						
SPRING GUIDE	B	3	6X R .015 MAX						
PART # 534T1	L2	4	R .010						
REV LEVEL -	L2	5	4X 50/40 DEG						
MATERIAL 1 316 SS	L2	6	100 FINISH						
PARTS/BAR 80	L2	7	.930/.926 DIA						
FILE NAME	L2	8	CHAM .015 X 50/40 DEG						
PROGRAM ID	L1	9	2X .999/.990 DIA (MAJOR)						
QUOTED TIME	L2	10	.928 DIA						
ACTUAL TIME	L2	11	.847/.841 DIA						
PRODUCTION NOTES	L2	12	1-20UNEF-2A PITCH .9661/.9616						
1. NOTE PRIMARY DIRECTION	L2	13	.360						
	L2	14	.335						
	L1	15	HOLD .400 FROM FACE	N/A					
	L2	15	.290						
OP DEBURRING	L2	16	1.345						
1 DEBURR AS NEEDED	L1	17	HOLD 1.480/1.490	N/A					
2	L2	17	1.460						
3	L1	18	.928 DIA						
4	L2	19	.595 DIA						
HANDLING/SHIPPING	L2	20	35/25 DEG						
BAG/TAG	L1	21	NO CHAMFER ON THIS THRU HOLE						
TRAYS X									
OUTSIDE VENDORS									
PLATE									
HEAT TREAT									
GRIND									
SUB									
REQUIRED CERTS									
MATERIAL X									
PLATE									
HEAT TREAT									
CUSTOMER									
INSPECTION									
LOT QTY									
SAMPLE QTY									
LOT DISPOSITION									
INSPECTED BY									
DATE									
LOT ACCEPTED									
LOT REJECTED									

OREGON SWISS PRECISION, INC.

FIRST ARTICLE INSPECTION REPORT

Rev 2

JOB FOLLOWER

COMPANY	CIRCLE SEAL	PART #	153A	REV	A
WORK CENTER	L20	OPERATIONS	1 OF 1		

FIRST ARTICLE/ IN-PROCESS INSPECTION REPORT

JOB #	W/C	ZONE	DIMENSION	MANAGER HOLD	CHECK ITEM	OVER PIN	FIRST ARTICLE	PAGE OF
LOT #								PRODUCTION INSPECTION INTERVALS
ORDER QTY								
DUE DATE			REVIEW ALL NOTES					
BAR QTY			REVIEW TOLERANCE BLOCK					
INS INTERVAL			REVIEW GEOMETRIC TOLERANCING					
COMPANY CIRCLE SEAL			REVIEW OVERALL FINISHES/WORKMANSHIP					
DESCRIPTION	L20	1	R .015 MAX					
POPPET	L20	2	(1 DEG) REF					
P/N 153A	L20	3	47 FINISH					
REV A	L20	4	R .010 MAX					
MATL 1/2 2024 AL	L20	5	30 DEG					
PARTS/BAR 216	L20	6	500 DIA (STOCK)					
FILE NAME C1153A	L20	7	.346/.342 DIA					
PROGRAM ID 0153	L20	8	.06 DIA					
QUOTED TIME	L20	9	R .015 MAX					
ACTUAL TIME	L20	10	R .010 MAX					
PRODUCTION NOTES			L20 11 .020					
1. NOTE PRIMARY DIRECTION			L20 12 30 DEG					
			L20 13 47 FINISH					
			L20 14 490/.470					
			L20 15 .425					
			L20 16 .384					
OP DEBURRING			L20 17 (.297) REF					
1	DEBURR AS NEEDED	L20 18	.031/.025					
2	TUMBLE	L20 19	203					
3		L20 20	4X .173 DIA					
4		L20 21	EQ SP 90 DEG APART					
HANDLING/SHIPPING			L20 22 290 DIA					
BULK			L20 23 .334/.328 DIA (FRONT OF TAPER)					
INDIVIDUAL X			L20 24 .342/.339 DIA (BACK OF TAPER)					
OUTSIDE VENDORS			L20 25 .365/.363 DIA					
PLATE CHRO ANO			L20 26 R .010 MAX					
HEAT TREAT			L20 28 420					
GRIND			L20 29 35/25 DEG					
SUB			L20 30 25/15 DEG					
REQUIRED CERTS								
MATERIAL X								
PLATE X								
HEAT TREAT								
CUSTOMER								
POS TOOLING								
3/8 CTR DRILL								
L DRILL - .290 DIA								
W/ 20 DEG ANGLE								
FRONT								
BACK								
CUT OFF								
MATERIAL LOT #				INSPECTED BY				
				INSPECTION DATE				
				APPROVED				
				DISAPPROVED				

OREGON SWISS PRECISION, INC.

WORKCENTER/BATCH INSPECTION REPORT

Rev 2

WORKCENTER BATCH INSPECTION REPORT

COMPANY	CIRCLE SEAL	PART #	534T1	REV	-
WORK CENTER			OPERATIONS		

JOB #	W/C	ZONE	DIMENSION	CHECK=ACCEPTED BATCH DASH=REJECTED BATCH BATCH #S																			
LOT #																							
ORDER QTY																							
DUE DATE			REVIEW ALL NOTES																				
BAR QTY			REVIEW TOLERANCE BLOCK																				
INS INTERVAL			REVIEW GEOMETRIC TOLERANCING																				
COMPANY CIRCLE SEAL			REVIEW OVERALL FINISHES/WORKMANSHIP																				
DESCRIPTION																							
SPRING GUIDE	L1	9	NOTE 2- .520/.511 DIA THRU																				
PART # 534T1	L1	15	2X .999/.990 DIA (MAJOR)																				
REV LEVEL	L1	17	HOLD .400 FROM FACE																				
MATERIAL 1 316 SS	L1	18	HOLD 1.480/1.490																				
PARTS/BAR 80	L1	21	928 DIA																				
FILE NAME	L2	4	NO CHAMFER ON THIS THRU HOLE																				
PROGRAM ID	L2	5	R .010																				
QUOTED TIME	L2	6	4X 50/40 DEG																				
ACTUAL TIME	L2	7	100 FINISH																				
PRODUCTION NOTES	L2	8	930/.926 DIA																				
	L2	8	CHAM .015 X 50/40 DEG																				
1. NOTE PRIMARY DIRECTION	L2	10	.928 DIA																				
	L2	11	.847/.841 DIA																				
	L2	12	1-20UNEF-2A PITCH .9661/.9616																				
	L2	13	.360																				
	L2	14	.335																				
OP DEBURRING	L2	15	.290																				
1 DEBURR AS NEEDED	L2	16	1.345																				
2	L2	17	1.460																				
3	L2	19	.595 DIA																				
4	L2	20	35/25 DEG																				
HANDLING/SHIPPING	B	1	.500/.505 HEX																				
BAG/TAG	B	3	6X R .015 MAX																				
TRAYS X																							
OUTSIDE VENDORS																							
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HEAT TREAT																							
GRIND																							
SUB																							
REQUIRED CERTS																							
MATERIAL X																							
PLATE																							
HEAT TREAT																							
CUSTOMER																							
INSPECTION																							
LOT QTY																							
SAMPLE QTY																							
LOT DISPOSITION																							
INSPECTED BY																							
DATE																							
LOT ACCEPTED																							
LOT REJECTED																							

OREGON SWISS PRECISION, INC.

EQUIPMENT CALIBRATION REPORT

Rev 2

ID: 020 (MITUTOYO DIGITAL CALIPER)

Equipment History as of 3/14/2002

Equipment ID: **020** Last Calibration: **2/15/2002**
 Description: **MITUTOYO DIGITAL CALIPER** Next Calibration: **3/15/2002**
 Department: **INSPECTION** Frequency: **Monthly**
 Location: **BRIAN** Frequency Units: **1**
 Status: **Accepted** Procedure: **MIL-STD-45662A**
 Plus Tolerance: **0.001** Cal Standard: **1000**
 Minus Tolerance: **0.001**
 Notes: **SERIAL # 0091528**

Date	Technician		Standard 1	Standard 2	Standard 3	Standard 4	Standard 5	Standard 6	Standard 7	Standard 8
	Temp	Humid	Result 1	Result 2	Result 3	Result 4	Result 5	Result 6	Result 7	Result 8
2/15/2002	BG		.1	.5	1	2				
			.1	.5	1	2				
Remarks:										
1/9/2002	BG		.1	.5	1	2				
			.1	.5	1	2				
Remarks:										
11/28/2001	BG		.1	.5	1	2				
			.1	.5	1	2				
Remarks:										
10/12/2001	BG		.1	.5	1	2				
			.1	.5	1	2				
Remarks:										
3/3/2001	BG		.1	.5	1	2				
			.1	.5	1	2				
Remarks:										
8/2/2001	BG		.1	.5	1	2				
			.1	.5	1	2				
Remarks:										
7/2/2001	BG		.1	.5	1	2				
			.1	.5	1	2				
Remarks:										

INSTRUMENT CALIBRATION REPORT SAMPLE

OREGON SWISS PRECISION, INC.

CALIBRATION FREQUENCY REPORT

Rev 2

Frequency Reporting as of 3/14/2002

Equipment ID	Description	Size	Units	Department	Location	Last Cal'd	Next Cal
Monthly							
C39	FITUT(O)O DIGITAL CALIPER	Acc pted	1	INSPECTICN	TFEVOR	2/15/2002	3/15/2002
C30	FITUT(O)O DIGITAL CALIPER	Acc pted	1	INSPECTICN	BFIAN	2/15/2002	3/15/2002
C21	FITUT(O)O DIGITAL MIC	Acc pted	1	INSPECTICN	BFIAN	2/15/2002	3/15/2002
C34	FITUT(O)O 1-2 MIC	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	2/15/2002	3/15/2002
C33	FITUT(O)O DIGITAL MIC	Acc pted	1	INSPECTICN	M/NAGE R	2/15/2002	3/15/2002
C38	FITUT(O)O DIGITAL MIC	Acc pted	1	INSPECTICN	TFEVOR	2/15/2002	3/15/2002
C33	FITUT(O)O DIGITAL CALIPER	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	2/15/2002	3/15/2002
C35	FITUT(O)O DIGITAL CALIPER	Acc pted	1	INSPECTICN	M/NAGE R	2/15/2002	3/15/2002
C36	FITUT(O)O DIGITAL CALIPER	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	2/15/2002	3/15/2002
C45	FITUT(O)O DIGITAL MIC	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	2/15/2002	3/15/2002
C46	FITUT(O)O DIGITAL MIC	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	2/15/2002	3/15/2002
Not Calibrated							
C100	METRIC LOGY SERVICES (PAGE) LOCK SET	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	7/17/1998	
Next Use							
C39	VIS 0-1 PITCH MIC SET	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	1/22/2000	
C30	VIS 1-2 PITCH MIC SET	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	1/22/2000	
C31	OWLER 0-1 PITCH MIC SET	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	1/22/2000	
C32	OWLER 0-1 PITCH MIC SET	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	1/22/2000	
C33	ESA C 1 PITCH MIC SET	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	1/22/2000	
C70	VIS 2-3 PITCH MIC SET	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	10/2/1999	
C33	FITUT(O)O INSIDE C ROOVE MIC	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	1/22/2000	
C34	TARRANT INSIDE C ROOVE MIC	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	1/22/2000	
C35	INSIDE MICR(METER)	Acc pted	1	INSPECTICN	INSPECT ON DI:PT	1/22/2000	

OREGON SWISS PRECISION, INC.

IDENTIFICATION TAGS

Rev 2

JOB #		
PART #		
REV		
OPERATOR	W/C	DATE

Catalog # IT 1001
 TAG # _____
ACCEPTED
 CUSTOMER _____
 W.O. NO. _____ DATE _____
 NO. PCS. _____ MATERIAL _____
 PART NO. _____ SER. NO. _____
 PART NAME _____
 INSPECTOR _____
RYAN
 (760) 249-5248
 FAX (760) 249-3538

Catalog # IT 1002
 TAG # _____
REJECTED
 JOB NO. _____ P.O. NO. _____
 PART NO. _____ SERIAL NO. _____
 PART NAME _____
 NUMBER OF PIECES REJECTED _____
 REASON _____
 DISPOSITION _____
 INSPECTOR _____ DATE _____
RYAN
 (760) 249-5248
 FAX (760) 249-3538

REPAIRABLE OR REWORK 068
 CUSTOMER _____
 JOB NO. _____ DATE _____
 PART NO. _____ PART NAME _____
 P.O. NO. _____ SER. NO. _____
 NO. OF PIECES _____
 DISPOSITION _____
 INSP. _____ STAMP _____
 REASON FOR REWORK (Use reverse side)