

XYZ Corp.

POTENTIAL FAILURE MODE AND EFFECTS ANALYSIS (FMEA)

FMEA Number _FMEA1_

Page 1 of 5

Prepared By: _____

FMEA Date (orig.) _____

(Rev) _____

Drawing# _____ Standard Processes _____

Process Responsibility: _____

Revision Date/Level: _____

Key Date _____

Process Function Requirements	Potential Failure Mode	Potential Effects(s) of Failure	S e v	Class	Potential Cause(s)/ Mechanism of Failure	O c c u r	Current Process Controls	D e t e c t	R P N	Recommended Action	Responsibility & Target Completion Date	Action Results				
												Actions Taken	S e v	O c c	D e t	R P N
Receiving/Receiving Inspection	Seam in wire	Cracked Parts	7	Major	Supplier's Quality System Not Effective	2	Vendor Certification, QAP03	2	28	Vendor Development Program	XXX 7/98	PUP03, Personnel	7	2	2	28
Transfer/Store in Appropriate Area	Handling Damage	Nicks, Dents in product	3	Minor	Operators need training	2	Operator Training Prog.	1	6	Certification Prog, Operator Trng.	XXX 8/98	Operators Trained, develop maint.list	3	2	1	6
Heading	Wrong Diameter/Lengths	Bad Product	6	Key	Tool Failure	3	SPC, machine and inspection procedures	3	54	Update Proc., buy monitoring system & train operators	Management 8/98	Purchased Impax monitors, updated procedures and trained operators	5	3	3	45

XYZ Corp.

POTENTIAL FAILURE MODE AND EFFECTS ANALYSIS (FMEA)

FMEA Number __FMEA1__

Page 3 of 5

Prepared By _____

FMEA Date (orig.) _____

(Rev) _____

Drawing# _____

Process Responsibility: _____

Revision Date/Level _____

Key Date _____

Process Function Requirements	Potential Failure Mode	Potential Effects(s) of Failure	S e v	Class	Potential Cause(s)/ Mechanism of Failure	O c c u r	Current Process Controls	D e t e c t	R P N	Recommended Action	Responsibility & Target Completion Date	Action Results				
												Actions Taken	S e v	O c c u r	D e t e c t	R P N
Secondary/Special Processes	Malformed part/wrong diameter	Reduced/No functionality	6	Major	Operator Training lacking/machine out of adjustment	3	On-the-Job Training, SPC & Insp Procedure	3	54	Further training, revise procedures	XXX 9/98	More training, revised proc. To add maint./ more training				
Wash	Visual non-conformity	Dirty/ Stained parts	5	Major	Oily/Dirty Water in tanks – lack of process control	3	Work instr., Operator Training	3	45	Visual standards, revise instruction/ Maintenance	XXX 9/98	Visual standards added, maint. added to WI				
Inspect	Gage out of calibration	Part functionality affected	5	Minor	Damaged measuring device	3	Procedures, Gage software	3	30	Develop device specific procedures, revise calibration	XXX 9/98	Revised proc., contracted outside vendor				

XYZ Corp.

POTENTIAL FAILURE MODE AND EFFECTS ANALYSIS (FMEA)

FMEA Number __FMEA1__

Page 4 of 5

Prepared By _____

FMEA Date (orig.) _____

(Rev) _____

Drawing# _____

Process Responsibility: _____

Revision Date/Level _____

Key Date _____

Process Function Requirements	Potential Failure Mode	Potential Effects(s) of Failure	S e v	Class	Potential Cause(s)/ Mechanism of Failure	O c c u r	Current Process Controls	D e t e c t	R P N	Recommended Action	Responsibility & Target Completion Date	Action Results				
												Actions Taken	S e v	O c c u r	D e t e c t	R P N
Transfer to Outside Vendor	Plating too thin	Visual nonconform	3	Minor	Plating not to agreed specification	1	Purchasing Proc., ANSI Standards	2	6				3	1	2	6
Return to Reed & Prince	Nicked, Damaged parts to Brainin (customer)	Appearance Fuctionality	3	Minor	Road Hazards	1	HSPP&D procedures	2	6				3	1	2	6
Receiving/Final Inspection	Oily parts	Visual nonconf.	4	Minor	Final Operation Missed	2	Routings and Final Inspection Procedures	2	16	Operator Training & Inspector Trng.	XXX 8/98	Inspectors Shipping & Operators trained for visual inspection / Work Instr. revised	4	1	2	8

XYZ Corp.

POTENTIAL FAILURE MODE AND EFFECTS ANALYSIS (FMEA)

FMEA Number _FMEA1_

Page 5 of 5

Prepared By _____

FMEA Date (orig.) _____

(Rev) _____

Drawing# _____

Process Responsibility: _____

Revision Date/Level _____

Key Date _____

Process Function Requirements	Potential Failure Mode	Potential Effects(s) of Failure	S e v	Class	Potential Cause(s)/ Mechanism of Failure	O c c u r	Current Process Controls	D e t e c t	R P N	Recommended Action	Responsibility & Target Completion Date	Action Results				
												Actions Taken	S e v	O c c	D e t	R P N
Storage/Packaging	Damaged Product	Customer Rejection	5	Minor	Overcrowded Storage area	3	Operator Training	3	30	Hire Materials person for better control over inventory	XXX 9/98	Personnel hired, work instr. Created				
Shipment	Late Shipment	Customer Dissatisfaction	5	Minor	Inefficiencies in Shipping department	3	Work Instructions	3	30			Instruction revised, area reorganized	5	2	3	30