



FMEA Template

conducted for

Manufacturing Process

Site

Sydney

Location

4313 Ashcraft Ave., Birmingham, AL 35222

Prepared by

Arlene Nelson

Conducted on

13/3/19, 12:22 pm

Score

139/150 - 92.67%

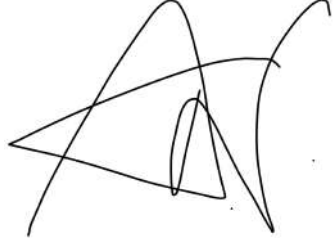


Completed on

13/3/19, 1:33 pm

Inspection - 139/150 - 92.67%

Question	Response	Details
Failure Modes and Effects Analysis		Score (139/150) 92.67%
Specify the function (process step or input)		
1		
Function	Fixture cleanliness for loading	
Potential Failure Mode	Dirty sixups	
Potential Failure Effect	High particulates, lower yields	
Severity Rating	10	
Potential Cause	Not cleaned often enough	
Occurrence Rating	10	
Current Controls	None	
Detection Rating	10	
RPN	1000	
2		
Function	Orientation of gun sets	
Potential Failure Mode	Overspray from bottom gun settling on unpainted parts	
Potential Failure Effect	High particulates, lower yields	
Severity Rating	10	
Potential Cause	Bottom gun is oriented first instead of last	
Occurrence Rating	10	
Current Controls	Setup sheet	
Detection Rating	10	
RPN	1000	
3		
Function	Booth dynamics and cleanliness for paint application	

Question	Response	Details
Potential Failure Mode	Increased airborne contamination	
Potential Failure Effect	Higher than normal particulate scrap at the start	
Severity Rating	8	
Potential Cause	Unstable process, needs to reach equilibrium	
Occurrence Rating	10	
Current Controls	None	
Detection Rating	10	
RPN	800	
4		
Function	Gun setup by operator	
Potential Failure Mode	Inadequate preventive maintenance	
Potential Failure Effect	Lower transfer efficiency, higher costs	
Severity Rating	9	
Potential Cause	Poor discipline or adherence to procedures	
Occurrence Rating	7	
Current Controls	Maintenance log	
Detection Rating	10	
RPN	630	
5		
Function	Paint removal filter for basecoat	
Potential Failure Mode	Improperly sized	
Potential Failure Effect	Create particulates	
Severity Rating	8	
Potential Cause	Improper specification	
Occurrence Rating	7	

Question		Response	Details
Current Controls		None	
Detection Rating		10	
RPN		560	
Completion			
Full Name and Signature of Facilitator	Arlene Nelson (process improvement)	13/3/19 1:03 pm	
FMEA Team			
1			
Full Name and Signature of Team Member	Marco Bernal (quality assurance)	13/3/19 1:05 pm	
2			
Full Name and Signature of Team Member	Pearl Deercove (product design)	13/3/19 1:06 pm	
3			
Full Name and Signature of Team Member	Leonard Mulberry (manufacturing)	13/3/19 1:08 pm	