

General Project Information

Black Belt Name Jim Ronkainen  
 Black Belt Training Wave Wave 2  
 Champion Name Scott Franz  
 Financial Rep ?  
 Site Location  
 Project Title Trigger Pull Variation for XMP Trigger Assembly  
 Keywords for Search trigger pull  
 Project Type R&D

Improvement Metrics

Primary Metric trigger pull variation  
 Primary Metric Type Product Specification  
 Primary Metric Baseline  
 Primary Metric Project Goal

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Secondary Metric trigger pull average  
 Secondary Metric Type Product Specification  
 Secondary Metric Baseline  
 Secondary Metric Project Goal

Project Timing

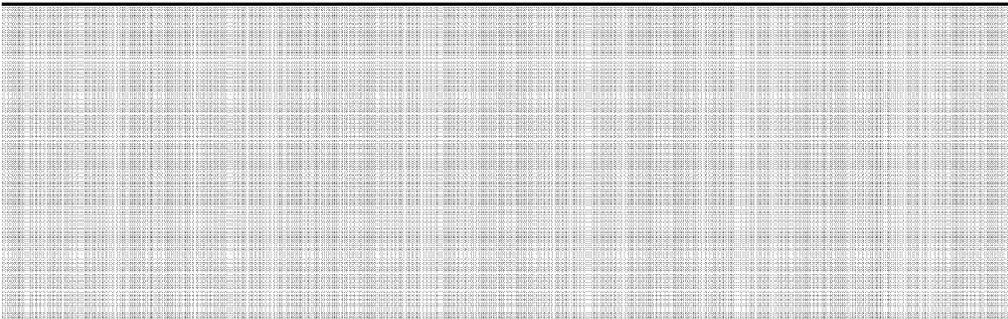
Project Start Date 09/22/08  
 Project Completion Date TBD

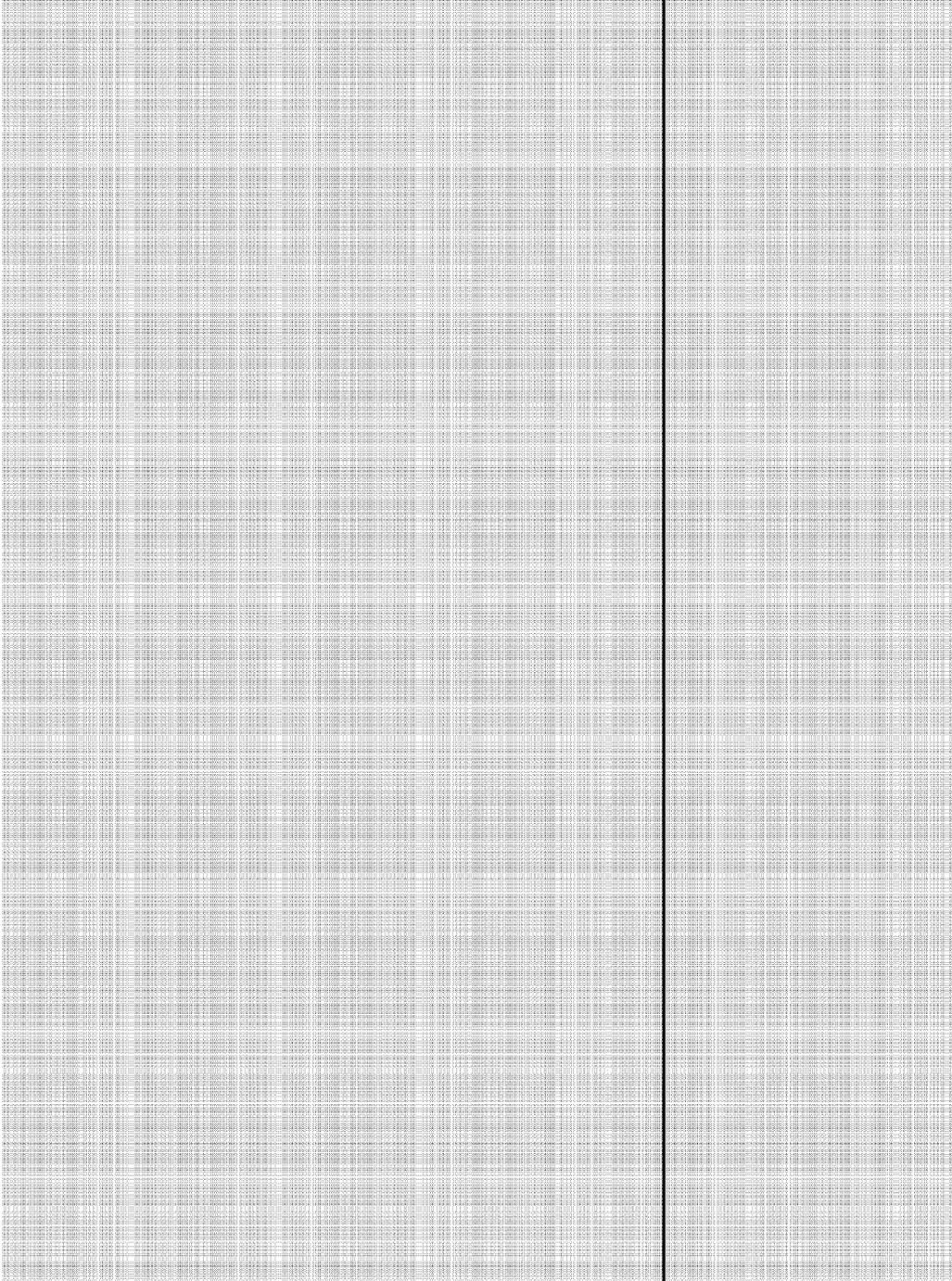
Business Impact

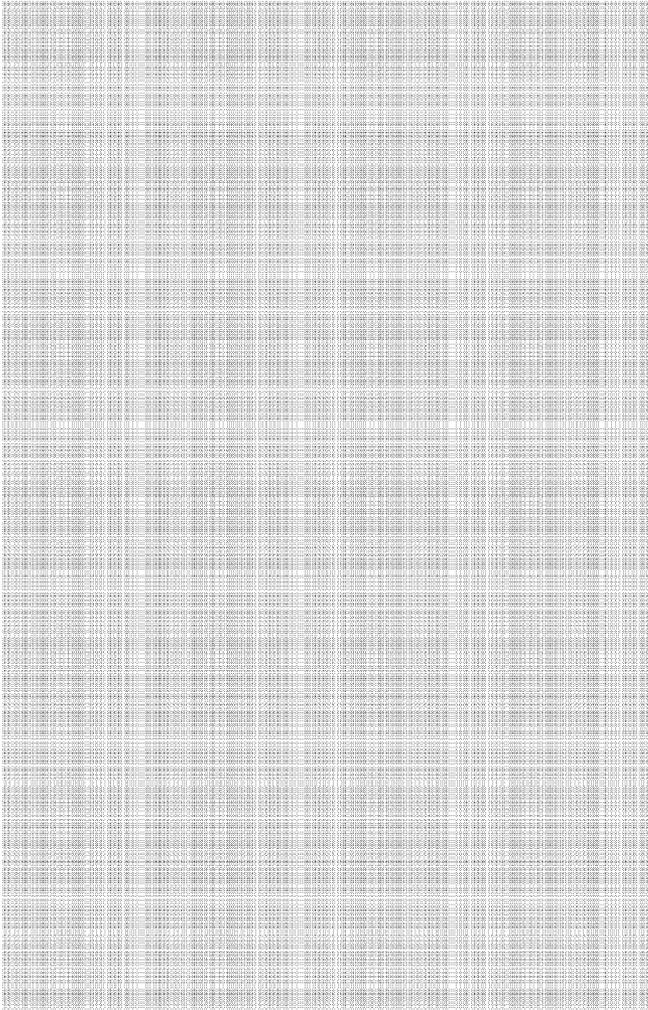
Est. Annual Savings  
 Est. Inventory Savings  
 Est. Revenue Increase

Process Improvement Ideas

Project Objective The goal of this project is to understand the causes of trigger pull variation with the XMP trigger and address them through design and process changes to minimize the trigger pull variation of the trigger assembly.  
 (Quantify for Primary Metric)  
 Processes Impacted Trigger subassembly, final assembly, inspect and pack  
 What do we hope to learn? Investigate the causes of trigger pull force variability on the X-Mark Pro (XMP) trigger assembly.  
 Briefly explain in words the financial impact of this project The financial impact of this project will be to reduce the time spent in production setting and adjusting trigger pull to specification. Savings calculations will need to be done by Ilion IE to quantify savings (if any).







Serap, FPY, RTY, Product Spec, Dollars Saved, Product Return Rate, Productivity, Cost Avoidance, Inventory, Sales, Other

Lonoke	Manufacturing	Serap
Ilion	R&D	FPY
Mayfield	Transactional	RTY
Marlin		Product Specification
Bushmaster		Dollars Saved
Madison		Product Return Rate
		Productivity
		Cost Avoidance
		Inventory Reduction
		Sales
		Other

Project Update Date - Today's Date		Updates													
Last Champion Meeting Date		12/05/08													
Key Project Learnings To-Date		1. measurement system qualification is key to making any progress on this program.													
Identify areas outside the scope of this project where key learnings may be valuable															
Project Accomplishments (since last update)		1) MSE plan created and reviewed with Tony. 2) Measurement sensitivity test (not planned, only if needed). 3) Sampling plan for trigger pull setting planned and reviewed with Tony.													
Project Next Steps		1) conduct MSE to select measurement system for future testing when time permits													
<b>Completion Timing</b>				<b>2008</b>					<b>2009</b>						
Anticipate On-Time Project Completion?		(Yes/No)		Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	
If no, new project completion date		Date		Yes			No			6/30/2009					
<b>Improvement Metrics</b>				<b>2008</b>					<b>2009</b>						
Trigger pull variation lbs		Actual Target		Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	
Trigger pull average lbs		Actual Target													
<b>Project Business Impact (\$)</b>				<b>2008</b>					<b>2009</b>						
Annual Savings		Actual		Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	

[REDACTED]

Jul-09 Aug-09 Sep-09 Oct-09 Nov-09 Dec-09

Jul-09 Aug-09 Sep-09 Oct-09 Nov-09 Dec-09

Jul-09 Aug-09 Sep-09 Oct-09 Nov-09 Dec-09

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Target  
Actual  
Target  
Actual  
Target

Inventory Savings  
Revenue Increase