TITLE:

POST MOLD CURE OVEN TEMPERATURE DATA ACQUISITION AND AUTOMATION MONITORING SYSTEM

SUMMARY:

1. The qualification run for Post Mold Cure Oven temperature Data Acquisition and Automation Monitoring System was performed on 05/04/2012.

2. Functionality buy off result based on below items are accepted :
   - Over / Under Temperature at Curing Stage alarm
   - Over / Under Time at Curing stage alarm
   - Lot Traveller Barcode Scanning.
   - Completed Lot Traceability
   - Remote Monitoring
   - Maintenance Scheduler
   - Data Archiving and Retrieval
   - Oven utilization report printing
   - Printable Chart
   - Audio alarm Buzzer
   - Visual alarm (Signal Light)

3. Additional feature also developed to facilitate the user
   - Search for running Lot
   - Email trigger when curing result out of specification
   - Interface to Sicam to simplify the lot entry

4. Training for Operator and Technician has been conducted.

Recommendation:
Based on the above buy off result, it is recommend to release Post Mold Cure Oven temperature Data Acquisition Automation Monitoring System for production use

Concurred by:				Author:		Title:	Page
				Name:	May A	Post Mold Cure Oven Data Acquisition and Automation Monitoring System	1 of 3
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May A	IFBT OP BE POB SO EOL		18/04/13	Date:	18/04/2013		
Name	Dept / Section	Sign	Date	**IFBT OP BE POB SO EOL**			

1.0 INTRODUCTION

Post Mold Cure Oven temperature Data Acquisition and Automation Monitoring System is the new application of Post Mold Cure data recording.

2.0 OBJECTIVES

- To Monitor Post mold cure oven performance and feed back when there is out of specification on the curing stage
- Auto feed back on Regular Preventive Maintenance
- As an electronic data monitoring, this application will replace the manual production record boo

3.0 TEMPERATURE BUY OFF

4. 1 Buy off Criteria

3.1.1 Portable Calibrator reading will be the model for Holding Temperature andHolding Time

3.1.2 Acceptance for Holding temperature is +/- 3^0C differ from the portable calibrator

3.1.3Acceptance for Holding Time is +/- 18 min (+/-0.3hr) differ from the portable calibrator

3.1.4 Any Reading out of specification will be rejected

3. 2 Buy off Result

4.2.1 Post Mold Cure Oven temperature Data Acquisition and Automation Monitoring System buy off was performed on all oven, result all oven are passing the requirement. Refer to the attached file.

Buy off Summary.xls

4.0 CONCLUSION

Based on the above result, Post Mold Cure Oven temperature Data Acquisition and Automation is passing the qualification

5.0 RECOMMENDATION

Post Mold Cure Oven temperature Data Acquisition and Automation can be released for production use.

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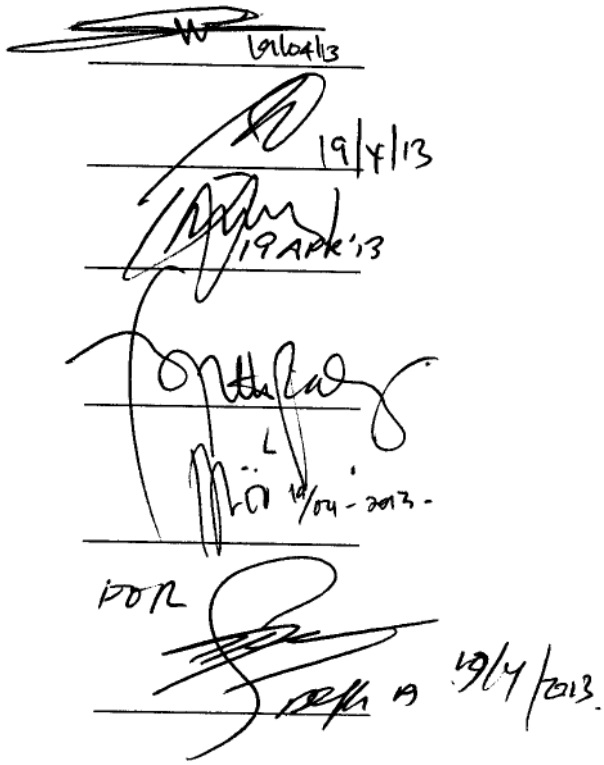

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Buy Off Criteria :

1 Portable Calibrator reading will be the model for Holding Temperature and Holding Time

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3 Acceptance for Holding Time is +/- 18 min (+/-0.3hr) differ from the portable calibrator

4 Any Reading out of specification will be rejected

No	Oven Number	Profiler	Holding Time (hr)	Holding Temp (^{0}C)	Remark
1	PO-02	Auto	4.0	175.0	Accept
		Calibrator	4.1	176.4	
		Oven	NA	NA	
2	PO-25	Auto	4.0	175.0	Accept after adjusting the auto profiler and Oven controller
		Calibrator	3.8	175.4	
		Oven	NA	NA	
3	PO-01	Auto	4.4	176.5	Accept
		Calibrator	4.4	174.9	
		Oven	NA	NA	
4	PO-05	Auto	3.9	175.5	Accept
		Calibrator	4.0	175.0	
		Oven	N/A	N/A	
5	PO-32	Auto	3.9	175.2	Accept after adjusting the auto profiler
		Calibrator	3.8	172.7	
		Oven	N/A	N/A	
6	PO-31	Auto	4.1	177.0	Accept
		Calibrator	4.1	175.0	
		Oven	NA	NA	
7	PO-65	Auto	4.3	174.0	Accept
		Calibrator	4.1	174.6	
		Oven	NA	NA	
8	PO-06	Auto	4.3	173.75	Accept
		Calibrator	4.3	175.6	
		Oven	NA	NA	
9	PO-08	Auto	4.1	175	Accept after recoverring the auto profiler history
		Calibrator	4	173.8	
		Oven	NA	NA	
10	PO-09	Auto	3.9	173.0	Accept
		Calibrator	3.9	175.6	
		Oven	NA	NA	
11	PO-62	Auto	4.2	175.2	Accept
		Calibrator	4.2	176.3	
		Oven	NA	NA	
12	PO-26	Auto	4.0	175.5	Accept
		Calibrator	3.8	178.0	
		Oven	3.9	178.0	
13	PO-51	Auto	4	175.25	Accept
		Calibrator	4.1	176.4	
		Oven	NA	NA	
14	PO-66	Auto	4.3	175.7	Accept
		Calibrator	4.3	176.2	
		Oven	4.4	175.0	
15	PO-61	Auto	4.0	174.9	Accept after adjusting the auto profiler
		Calibrator	4.0	177.7	
		Oven	N	NA	
16	PO-03	Auto	3.8	173.4	Accept
		Calibrator	3.7	176.4	
		Oven	NA	NA	