Programming Specification

System Name: SmartDispenser™

Month, Year

Contents

1. Revision Sheet

Release No.	Date	Revision Description
Rev. 0	5/30/00	Master Capabilities Study

2. SmartDispenser™ Program Specifications Authorization Memorandum

I have carefully assessed the Program Specifications for the SmartDispenser™. This document has been completed in accordance with the requirements of the Master Capabilities Study.

MANAGEMENT CERTIFICATION - Please check the appropriate statement.

_____ The document is accepted.

_____ The document is accepted pending the changes noted.

_____ The document is not accepted.

We fully accept the no changes are to be made by anyone but the Master Programmer.

_____   _____
NAME   DATE
Master Programmer

_____   _____
NAME   DATE
SmartDispenser™ Operator

_____   _____
NAME   DATE
Production Manager

_____   _____
NAME   DATE
Quality Manager

3. Purpose

To assure no changes are made to worldwide SmartDispensers™ dispensing assembly fluid **X** bonding product **X**.

4. Scope

This program specification is issued to all manufacturing facilities using the SmartDispenser™ dispensing assembly fluid **X** bonding product **X**.

5. System Overview

A electro-mechanical positive displacement assembly fluid dispenser combining a stepper motor housed in a plastic gun shell, a control unit, firmware to drive the stepper motor, customer off the shelf software to support the dispenser house in a plastic control box with touchscreen.

- **XXXX** Corporation
- Fishman SmartDispenser™
- Part Number **XXXXXXX**
- Assembly fluid dispenser
    - *Major application*: To dispense **X** assembly fluid in a specific location at a specific fluid volume.
    - *General support system*: Automation system **X,** dispense gun, network, generally accessories.

6. Master Capabilities Study

Weight stoppage per hour	12/22/2010	12:01:00 AM	12/23/2010	11:59:00 PM	0	0	0	0	0
Weight dispensed per cycle (Grams)	0.0314	0.0269	0.0284	0.0311	0.031	0.0281	0.0281	0.0316	0.0313
	Date	Time	Program	Date	Time	Program	Date	Time	Program
Last 500 Program Starts	12/22/2010	12:10:44 PM	1	12/22/2010	12:11:01 PM	1	12/22/2010	12:11:08 PM	1

Mean of Weights Dispensed	0.029	Grams
Standard Dev. Of Weights Dispensed	0.002	Grams
Percentage out of St. Dev.	0%	
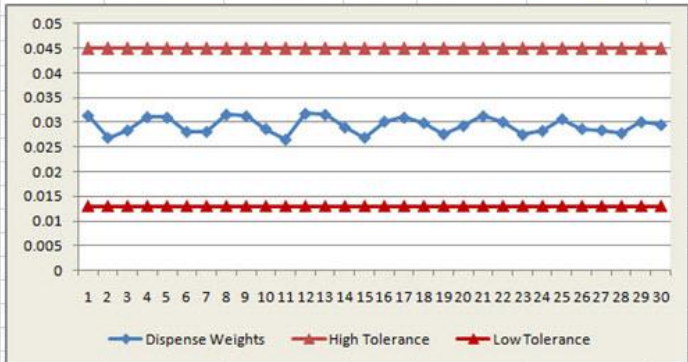
Programs Saved in the SmartDispenser	Date	Time	Backoff Delay	Backoff Steps	Barrel Size	Dispense Speed	Dispense Volume	Program Change Steps	Target Dispense Weight
Traditional program 1	12/22/2010	12:16 PM	0	0	10cc	0.3004	0.03002878	0	0.03
Traditional program 2	5/2/2010	10:16 AM	0	5	5cc	0.941	0.05203	0	0
Traditional program 3	3/4/2010	2:07 PM	0	15	30cc	3.069	0.05143	0	0
Traditional program 4	7/16/2010	4:32 PM	0	10	3cc	0.498	0.05131	0	0
Traditional program 5	8/9/2010	9:27 AM	0	12	10cc	1.558	0.05222	0	0
ProcessControl2 program 1	12/4/22/2010	10:00 AM	0	20	3cc	0.498	0.0054	132	0
			0	15	3cc	0.498	0.0054	256	0
			0	10	3cc	0.498	0.0054	451	0

7. Master List of Programs

Program #:

Syringe Size:

Dispense Volume:

Dispenser Rate:

Reverse Motion (Backoff):

Target Dispense Weight:

+/- Tolerance %: