

Model CS1 Cotton Inserter



Operator's Manual

(Rev 3/99)

Dear Customer,

Thank you for purchasing a Pharmafill Model CS1 Cotton Inserter. We at Deitz Company hope you will find that the Model CS1 meets or exceeds your expectations and requirements for an affordable, reliable and innovative addition to your packaging operation.

Pharmafill products are designed and manufactured by Deitz Company Inc., in Wall, NJ, USA. We have manufactured machinery for the bottle filling industry since 1966 and began directly marketing our Pharmafill line in 1993. We are a small (but growing) family-owned business that emphasizes quality, innovation and superior customer service.

If you have any questions or comments, please contact us by phone or visit our website. Chances are someone whose last name is Deitz will handle you inquiry personally.

Deitz Company, Inc.	Tel 732-681-0200
PO Box 1108	Fax 732-681-8468
1750 Route 34	E-mail help@deitzco.com or
Wall, NJ, USA 07719	help@pharmafill.com

The Deitz Company

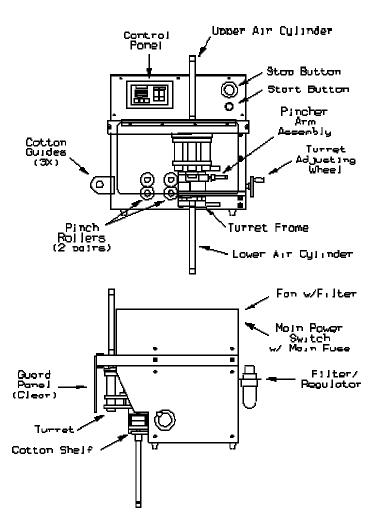


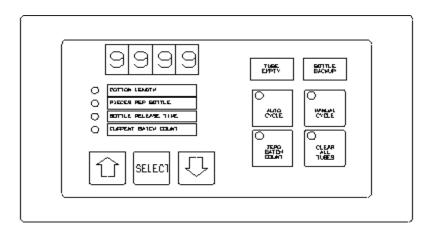
Figure 1: Model CS1 Features

.....

_

Pharmafill Model CS1 Cotton Inserter Operating Instructions

Section I Operator Panel



A. Display

The left side of the Operator Panel consists of a 4-digit display, a list of four values which may be displayed, and buttons to select and set these values:

Value	<u>Description</u>	Range of Values
Cotton Length	Straight length of cotton piece	2 to 9 inches
Pieces Per Bottle	Number of pieces of cotton per bottle	1 to 10 pieces
Bottle Release Time	Time to let filled bottle exit	0.1 to 5.0 sec
Current Batch Count	Number of bottles filled	0 to 9999 bottles

To set or view the display values:

- 1. Press **SELECT** until the red light turns on next to the value you wish to view or set. The value will be displayed.
- 2. Increase the value by pushing the up arrow. Decrease the value by pushing the down arrow. The new value will be displayed

Note: **Current Batch Count** can only be reset using the **Zero Batch Counter** pushbutton (see next section).

B. Pushbuttons

The right side of the Operator Panel contains four pushbutton and two warning indicator lights. Each push button has a small light which turns on while the button is active. There is also an audible "beep" when a button is pressed.

The four buttons on the lower right side of the Operator Panel work as follows:

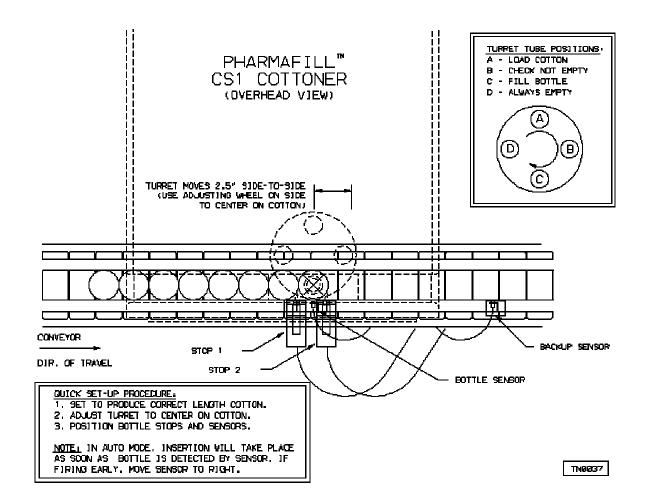
Label	Value	<u>Function</u>
Auto Cycle	On/Off	Automatically fills any bottle at Stop 1. Disables Manual Cycle and Clear All Tubes. Automatic operation will stop if Tube Empty lights (see below). Automatic operation will pause if the filled bottle does not leave the filling station and will resume once the station is cleared.

Manual Cycle	On while pushed	Starts one fill cycle with or without cotton or bottle. Hold down for continuous cycling.
Zero Batch Counter	On while pushed	Hold for 2 seconds to reset Batch Count to zero.
Clear All Tubes	On while pushed	Empties cotton from all tubes by running four consecutive fill cycles without feeding cotton. Remove bottle from filling station before using this function

C. Indicator Lights

The lighted indicators on the upper right side of the Operator Panel work as follows:

Label	Cause	Reaction	Solution
Tube Empty	Cotton not present in right-hand tube		Turn Auto Cycle off & find cause. Then press Manual Cycle to fill tube. Press Auto Cycle to resume automatic operation. Catch unfilled bottle & recycle
Bottle Backup	Bottles backed-up downstream on conveyor	Stops automatic operation	Clear backed-up bottles. Automatic operation resumes.



A. Installation

- 1. Connect electric (110 VAC 7A) and compressed air line. Adjust air pressure to **80** PSI.
- B. Set-up
 - 1. Switch on Main Power (in back). Cooling fan will start running.
 - 2. Set Cotton Stop fully to right end of Cotton Shelf.
 - 3. Place clear **Guard Panel** in lowered position.
 - 4. Press **Start** button. **Operator Panel** will light up. **Turret** finds home position.
 - 5. Press Clear All Tubes. All four tubes will be cycled to remove any stray cotton pieces.
 - 6. Using the **Operator Panel** (see section I), set values for:
 - a. Cotton Length in inches
 - b. Pieces Per Bottle
 - c. Bottle Release Time in seconds
 - 7. Press and hold **Zero Batch Counter** for 2 seconds to reset.
 - 8. Load cotton:
 - a. Raise Guard Panel.
 - b. Use one, two or three Cotton Guide loops as needed.
 - c. Raise upper roller of left set of **Pinch Rollers** by lifting end of roller.
 - d. Place cotton so end is between left set of rollers and lower roller to trap cotton.
 - e. Lower Guard Panel.
 - 9. Press **Manual Cycle** once. The cotton will feed through the right set of rollers and a piece of random length will be produced.
 - 10. Raise the **Guard Panel** and remove the first piece of cotton.
 - 11. Press **Manual Cycle** again. The second piece produced is the exact length that will be repeated each time.
 - 12. Raise the guard and adjust the **Cotton Stop** from right to left to just barely touch end of cotton piece.
- B.
 13. Adjust the Turret left or right to center on the length of the cotton piece by turning the Turret Adjusting Wheel on the right side of machine (turn clockwise to move turret to right). Numbers on scale on front of Cotton Shelf show correct turret position relative to Cotton Length setting.

- 14. Press **Manual Cycle** twice. This will result in cotton loading into the front tube and the right-hand tube.
- 15. Start conveyor. Set conveyor speed. Place bottles on conveyor.
- 16. Adjust height of machine using handle on front of **Lift Platform**.
- 17. Adjust Bottle Stop 2 (filling station). Adjust Bottle Stop 1 (upstream bottle supply).
- 18. Adjust **Bottle Sensor** to detect the bottle at **Stop 1**. Adjust **Backup Sensor** to detect bottles backing up from the right or downstream direction (already filled with cotton).
- 19. Press **Auto Cycle** to begin automatic operation.

_

C. Specifications

(Revised 3/99)

Product size range	Contin	Continuous coil, cotton or synthetic up to 20 gram, low density		
Max. Continuous Speed Length		Setting	Rate per min	
		2		88
		3		84
				80
		5	;	76
		6		72
		7	,	68
		8	<u> </u>	64
		9	1	60
Electrical				
Voltage		115 VAC 60 Hz		
Current		7A (inrush)		
		5A (continuous)		
Fuses				
Main		7A SloBlo (313)		
24 VDC Power Supply		5A SloBlo (313)		
5 VDC		1A (312)		
Size (without Lift Pla	<u>itform)</u>		Inches: 26.5 V	W x 23 D x 24.5 H
			Centimeters:	68 W x 59 D x 63 H

Weight (without Lift Platform)	150 lb.
	68 Kg
Size (with Lift Platform)	Inches: 26.5 W x 23 D x 56 H (min.)
	x 68 H (max.)
	Centimeters: 68 W x 59 D x 143 H (min.)
	x 173 H (max.)
Weight (with Lift Platform)	250 lb.
	114 Kg

Back to Top Back to Technical Information Page

