



SSCI – Single Shift Continuous Improvement

**Leading Beverage Solution
Provider**

Case Sealing Operations

Existing System versus ShurSEAL® Solution

SSCI OVERVIEW

The objective of this SSCI was to evaluate the case packing and sealing operation and identify any root cause issues which could be remedied.

The findings, observations, and financial cost estimates of the case packing operations (Existing versus ShurSEAL) are captured in this report.

	Case Sealer Comparison	
	Existing	Shurseal
Length of Trial (hrs)	1	1
Line Name/Number	2	
Machine Manufacturer	BestPack	
Machine Model	MSDB-22-3	
Case Length (in)	18	
Cases/Minute	5	
Sealing Method	Sealer	
Tape Head Model	Competitive Tape Head	ShurSEAL C7000
Tape Manufacturer	Competitive Pkg Tape	Shurtape
Tape Type	Competitive Pkg Tape	HP 200
Width of Tape (mm)	72	48
Length of Tape Roll (m)	914	
Tab Length (in)	3.4	2

CONTINUOUS IMPROVEMENT OPPORTUNITIES

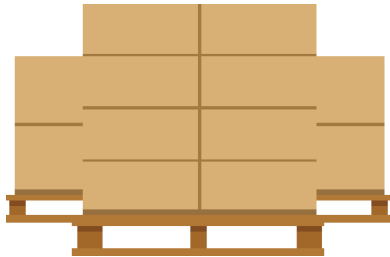
Source/Material Reduction



7.5%

Tab Right Sizing Reduction

LESS TAPE USED



7.3

Reduction in # of Pallets Purchased

LESS TAPE TO BUY



8.1%

Wasted Tape Reduction

LESS TAPE IN THE TRASH



3,766

Reduction in Pounds of Film Consumed

LESS TAPE PRODUCED

OBSERVATIONS

CASE SEAL INTEGRITY



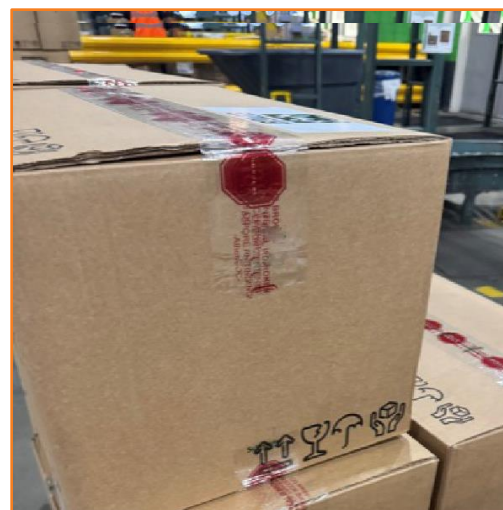
Existing State

More than 4" tab length (existing state)



ShurSEAL State

Pressure test with ShurSEAL and HP 200
(less than 10 seconds of dwell time)



Existing State

Additional tape seal used to keep cartons closed.



ShurSEAL State

Narrower 2" width tape with 2" tab length.
Reduced tape use with increased carton seal integrity.

CONTINUOUS IMPROVEMENT OPPORTUNITIES

CASE SEAL INTEGRITY

Case Seal Integrity	# of Cases Shipped (Observed)	Properly Sealed Cases (Observed)	At-Risk Cases (Observed)
Existing State	300	252	48
ShurSEAL State	300	299	1
	# of Cases Shipped (Monthly)	Properly Sealed Cases (Monthly)	At-Risk Cases (Monthly)
Existing State	122,500	102,900	19,600
ShurSEAL State	122,500	122,092	408
	# of Cases Shipped (Annually)	Properly Sealed Cases (Annually)	At-Risk Cases (Annually)
Existing State	1,470,000	1,234,800	235,200
ShurSEAL State	1,470,000	1,465,100	4,900

Existing State



ShurSEAL State



CASE SEAL INTEGRITY
235,200 At-Risk Cases

OBSERVATIONS Source Reduction



Existing State

3" tape tab lengths. Waste of tape as application rollers only make contact at 2" (risk of flagging).



ShurSEAL State

Tab length is 2" only. Saving 4" if tape use per outgoing carton while increasing the carton seal integrity.



Existing State

Stub rolls over 5" on average, this creates significant waste.



Existing State

Additional stub roll observed.

NEXT STEPS

Task	Owner	Schedule							
		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Single Shift Continuous Improvement Evaluation	Shurtape & Distributor	☒							
Documentation of case sealing equipment	Shurtape & Distributor	☒							
Presentation of CI evaluation findings	Shurtape & Distributor		☒						
Approval of ShurSEAL Agreement	User			☒					
Certify agreement and documentation	Shurtape			☒					
Build ShurSEAL order with retrofit customizations	Shurtape				☒				
ShurSEAL Order Shipment	Shurtape					☒			
ShurSEAL Installation, tuning, & training	Shurtape & Distributor						☒		