



SINGLE SHIFT CONTINUOUS IMPROVEMENT REPORT

Leading Pet Food Producer

Case Sealing Operations

Existing System versus ShurSEAL® Solution

SSCI OVERVIEW

May 21, 2025

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	Case Sealer
Length of Trial (hrs)	1	1
Line Name/Number	Line 2	
Machine Manufacturer	Signode	
Machine Model	LD3SB/NB-RD	
Case Length (in)	10	
Cases/Minute	14	
Tape Head Model	Competitive Tape Head	ShurSEAL C7000
Tape Manufacturer	Competitive Pkg Tape	Shurtape
Tape Type	50um Acrylic	rHP 235
Width of Tape (mm)	48	48
Length of Tape Roll (m)	914	1500
Tab Length (in)	3	2.2

CONTINUOUS IMPROVEMENT OPPORTUNITIES



END-OF-LINE PKG
EFFICIENCY
3.1%
Efficiency Gain



MAINTENANCE COSTS
\$250
Spare Parts Savings



CASE SEAL INTEGRITY
52,000
At-Risk Cases



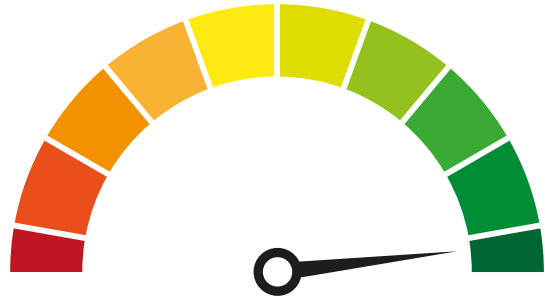
DOWNTIME REDUCTION
5%
Uptime Increase



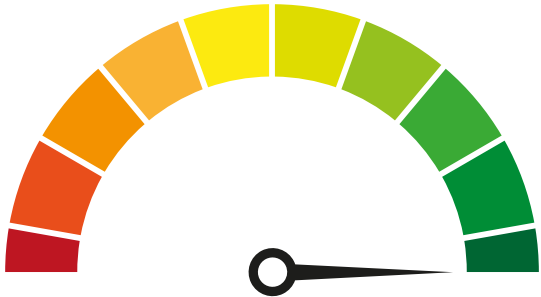
SUSTAINABILITY
25%
Source/Material
Reduction

CONTINUOUS IMPROVEMENT OPPORTUNITIES

END-OF-LINE PACKAGING EFFICIENCY

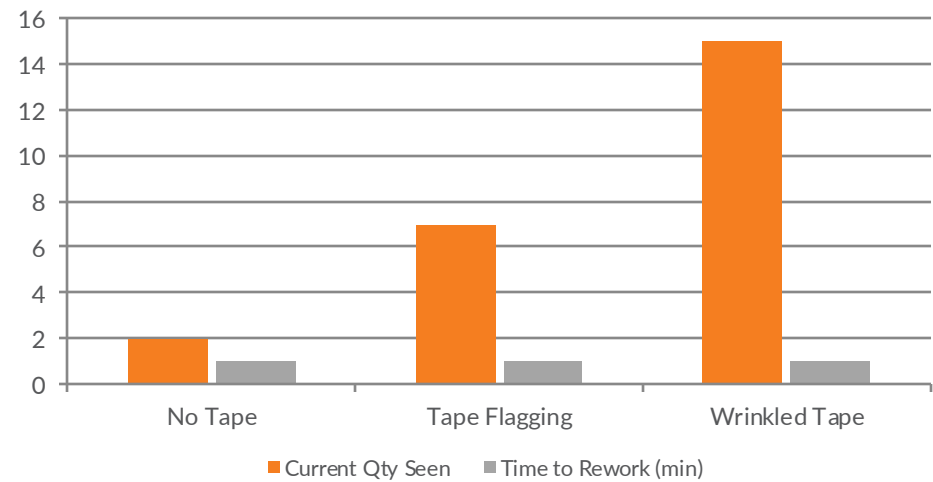


Existing State
96.9%



ShurSEAL State
100.0%

Rework Observations

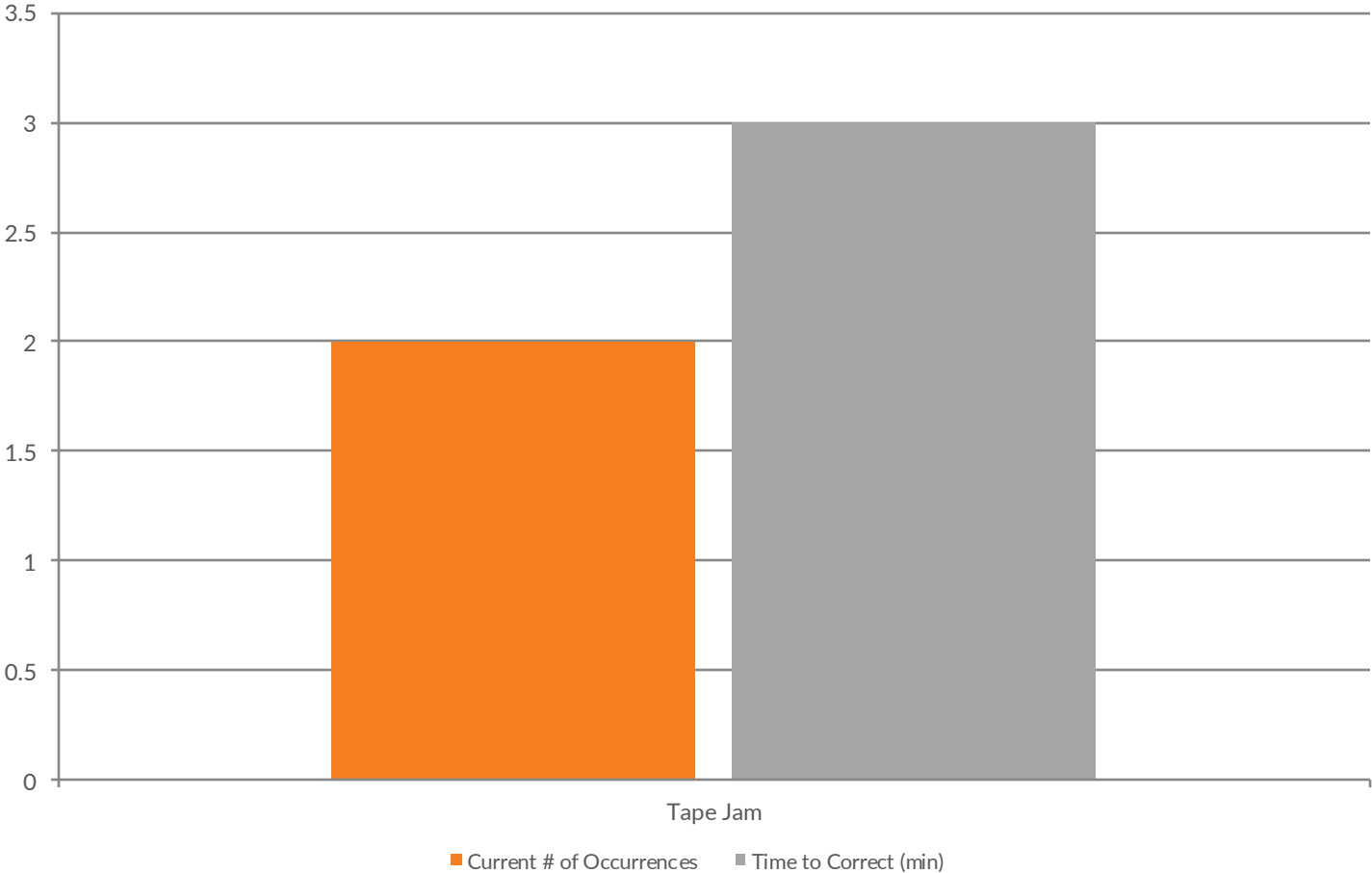


\$4,320
Annual Labor
Reallocation Savings

CONTINUOUS IMPROVEMENT OPPORTUNITIES

DOWNTIME REDUCTION

Downtime Observations



5%
Current Annual
Downtime Percentage

\$45,000
Annual Downtime
Elimination Savings

OBSERVATIONS

END-OF-LINE PACKAGING EFFICIENCY



Existing State

Cartons easily accessed with downward pressure due to poor tape bond.



ShurSEAL State

Increased carton seal integrity.



Existing State

Poor tape seal on box. At-risk package.



ShurSEAL State

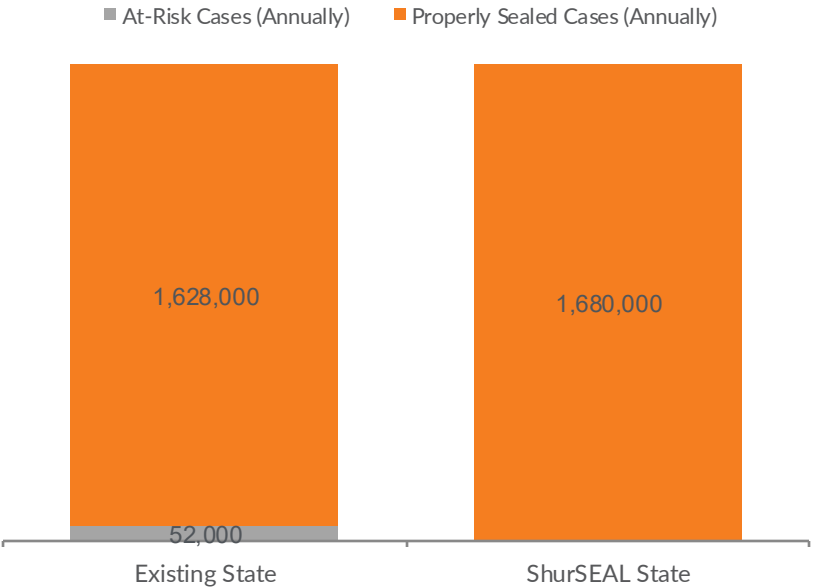
Securely sealed package.

CONTINUOUS IMPROVEMENT OPPORTUNITIES

CASE SEAL INTEGRITY



CASE SEAL INTEGRITY
52,000 At-Risk Cases



OBSERVATIONS

SOURCE REDUCTION



Existing State

5" stub roll which increases downtime and material spend



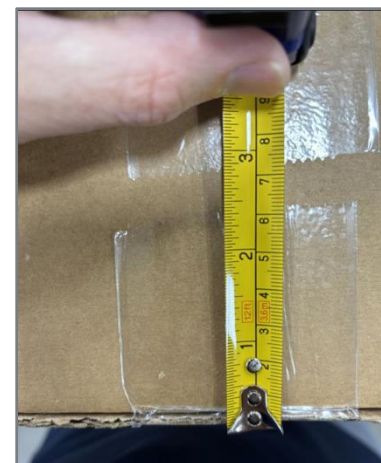
Existing State

Box of stub roll waste



Existing State

Box needing extra layer of hand tape



ShurSEAL State

Sealed ShurSEAL case w/ no rework needed

CONTINUOUS IMPROVEMENT OPPORTUNITIES SUSTAINABILITY



10.0%

Tab Right Sizing Reduction

LESS TAPE USED



0.7

Reduction in # of Pallets Purchased

LESS TAPE TO BUY



14.8%

Wasted Tape Reduction

LESS TAPE IN THE TRASH



416

Reduction in Pounds of Film Consumed

LESS TAPE PRODUCED

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						☒		