





# **Downtime Reduction at** Changeovers

# **Project Background**



next Job reaching the sealer

Impact

### Estimated Savings: \$320,000/year New Changeover time = 2:55 minutes

	Start (minutes)	Finish (minutes)	Duration (minutes)
Last Tray Run	0.00	1.17	1.17
Disposal of Bins	0.30	1.83	1.53
Loading of Bins	0.67	3. <mark>3</mark> 8	2.72
Line Clearance Paperwork	0.92	1.83	0.92
First Tray Run	2.92	4.08	1.17



**Changeover Requirements:** → Removal of previous Job's bins → Placement of next Job at operator stations → Paperwork

Data Collection: Average = 7:40 minutes SD = 5:30 minutes

**Goal:** Reduce average changeover time by 50%



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## Approach

- → Time Studies
- → Observed effective practices
- → Employee interviews
- → Industry best practices (SMED)



### Implementation

### **Proposed SOP:**

- 1. DISPOSE OF BINS
- → Operators place on cart
- → Line Lead returns cart
- 2. TRANSITION MATERIAL TO STATION → Operators front load station from cart
- 3. BEGIN NEXT JOB
- 4. COMPLETE BOM PAPERWORK  $\rightarrow$  Follows the 5th completed tray
- 5. CHECK FOR SHORTAGES → Count once 10 trays remain
- 6. LINE CLEARANCE PAPERWORK → By Line Lead after last tray