Reagent Raw Material Inventory Design
BOLD Supply Chain Intern
Beckman Coulter Chaska, MN

Objective
The objective was to lead a project to create kanban systems for Beckman Coulter’s VWR Stockroom, Label Room, and a min/max tool for all reagent raw materials while creating standard work and daily-visual management.

Projects
✓ VWR Stockroom - 125 Parts
✓ Label Room Kanban - 278 Parts
✓ Standard Work for all reagent raw material inventory design - 2202 Parts
✓ Ambient Parts - 1806 Parts
✓ Generic Chemicals - 396 Parts
✓ Remaining Reagent Raw Materials

Impacts

VWR Stockroom

Before

After

Created ordering process from scratch

Label Room

Before

After

Label Room: 20 min → 3 secs to find parts
SAVED: 35 ManHours per week & 200 square feet
Before = $297,000 After = $227,000 SAVED = $70,000

Reagent Raw Materials

Current State = 11 hours a week
Future State = 25 minutes a week
• Order with a click of a button
• Quick view of inventory
• Send view of status to supplier

Work Flow Process Improvements
SAVINGS = 53 ManHours per week

Total Savings
✓ ManHours: 128 (per week)
✓ Inventory Reduction: $490,000 (estimated)
  • VWR stock room 5S - $50k
  • VWR stock room inventory design - $20k
  • VWR Vendor Management (FTE) - $100k
  • Label room 5S - $50k
  • Label room inventory design - $20k
  • Reagent Raw Materials: $250k
✓ Avg. material shortages for JOP: 16 first quarter, 6 today, reduce to 3 this year

Touched 2605 parts ($700,000)

Photos and Charts created by Kaila Flanagan