

INDUSTRY > Nutraceutical Manufacturing



VITAMIN PRODUCT WHEELS

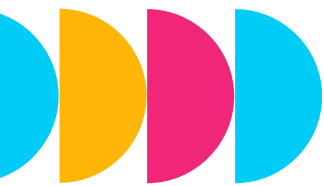
THE HIGHLIGHTS

A leading nutraceutical company sought to optimize packing asset utilization and production efficiency. Zinata introduced **"Product Wheel" scheduling** which optimized order rotation through bottle size variants to minimize changeover downtime and improve throughput. Results included an impressive 12-point increase in OEE, a 34% throughput surge, meeting demand with 2 fewer lines, and \$1.5 million annual labor savings.

Zinata provided Excel tools, training, and cross-departmental collaboration. They iteratively enhanced tools, integrating them with the ERP for future planning. **Standardized wheel patterns streamlined operations, improving efficiency and enabling better supply chain and labor planning.**

THE HEADLINES


12points increase
in OEE**34%**increase in
throughput**\$1.5M**in annual
labour savings



THE DETAILS



SITUATION

The client, a large nutraceutical company, was facing intense competitive cost pressures and relatively unproductive assets. **Overall Equipment Effectiveness (OEE) at a key packaging plant averaged less than 40%, far below industry benchmarks.** It was imperative to significantly increase OEE and improve line throughput so that they could satisfy all customer orders.

PROBLEM

- Low Overall Equipment Effectiveness (OEE)
- Inefficient product changeovers
- Lack of optimized scheduling methodology
- Excessive and time-consuming adjustments after product changes
- Disconnect between scheduling and change requirements

SOLUTION

Implement "**Product Wheel**" scheduling, optimize product frequency and sequencing to minimize changeovers, allocate bottle sizes to reduce rail changes, increase run size for low demand products, develop excel-based tools for scheduling, provide training and support, involve cross-functional teams, improve management parameters, and continuously enhance the product wheel tools with ERP integration.

BENEFIT

- Improved customer service
- Ability to meet demand with 2 fewer packing lines
- Improved systems view of product line-up
- Better supply chain and labor crew planning
- Predictability of future product needs



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