

D-MAPP™

Creating Lean, Agile Operations for Peak Performance

A CASE STUDY

How a California Biotech company ramped production capacity by 110% using existing resources

● CHALLENGE

A manufacturer that had recently received FDA clearance to produce a specialty product needed to dramatically scale its production line to meet heavy demand for a new, innovative product line.

● APPROACH

Using D-MAPP™ the company rapidly assembled a comprehensive, current-state snapshot of its operations, which we analyzed to identify improvement opportunities. From there, we prioritized projects, implemented metrics and utilized a scorecard to track progress.

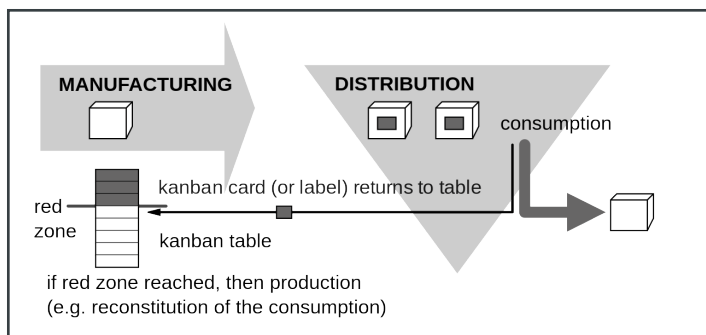
Big Discovery #1

There was a need to dramatically streamline the work of its existing single production line.

Big Discovery #2

There was a need to eliminate inefficiency, waste, and bottlenecks embedded into the existing core production process.

There was a need to implement a Kanban system to maintain a steady stream of parts for the production line - eliminating the need for production-line employees to compile their own bins of components.



*Source: <https://en.wikipedia.org/wiki/Kanban>

Big Discovery #3

There was a need for employees to be made aware of their production targets and actual, real-time performance levels.

TheDorseyGroup.org | 954.629.5774 | info@TheDorseyGroup.org

● RESULTS

"The D-MAPP Program has helped provide clarity with our processes, enabled the establishment of metrics to measure performance, standardized terminology to help build common understanding, helped identify opportunities for improvement, and demonstrated to personnel the availability of a systematic approach necessary to make meaningful and purposeful improvements."



Steve Speer, Director of Quality
Mesa Biotech

● BENEFITS

Year 1

**ROI
10:1**

After implementing the performance improvement initiatives **based on the DMPM**, the company achieved a ROI of 10:1 in the first year



A 92% reduction in material shortages

40%
↓

A 30%-40% reduction in scrap rates

Elimination of mandatory weekend overtime, **saving \$50,000 in overtime pay**

An increase in capacity of both production lines, with the first **scaling production from 1,200 units to 2,500 a day** (a 100% improvement) and the other scaling production from **40 units to 200 a day** (a 400% improvement)