



Company: Diesel Forward | Windsor, WI
Project Type: Current State Process Flow Documentation
Status: Complete

Creating an “Is Map

Knowing where you want to go is equally as important as knowing where you are. A goal of “losing 10 pounds by the end of the summer” starts by stepping on a scale. Diesel Forward was looking to improve the efficiency and throughput of their DT pump platform. Prior to reconfiguring the existing work cells, Carrus Group documented the existing situation including a direct labor time study, spaghetti diagram (pictured above), and calculation of overall movement associated with the final product.

This information was used to create their “Is Map”, a clear vision of the current state of the production line and an essential tool in moving this project forward.

Process Flow Analysis and Propose Recommendations

The study provided insight and reassurance for easier prioritization of future tasks. The outcomes include:

- Reconfigure the layout for this product with a focus on six specific time consuming and duplicating action steps
- Proper documentation of Processes for Quicker Scale and Training
- Smaller batch sizes to maximize throughput and provide greater flexibility
- Update current equipment for three steps for quicker processing times
- Continue to collect cycle times for continual evaluation
- Include indirect time for future studies

Key Points

- Process Flow Mapping
- Time Study Documentation
- Identify Bottlenecks & Time Consuming Tasks
- Work Closely With Client

Reference

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Clear Process Flow Documentation

Time Study Associated with Each Step

Tool to Prioritize Action Items For Process Improvement Steps

Establish Baseline for Future Comparison