



Clint Geater

Tech Ed/Engineering

Spencer Middle School

Rosenboom

Part I: Overview of Business

Lary & Viv Rosenboom founded the company in 1974 as a tool and die shop in Sheldon. Fast forward 42 years, Rosenboom is a leading manufacturer of hydraulic cylinders. Iowa houses over half of their employees and facilities between Sheldon and Spirit Lake, with other locations in Ohio and China.

Part II: Job Specifics

- Rosenboom is an ISO and Lean Manufacturing Company. The main focus' are standardization, low inventory and high volume.
- The Continuous Improvement Department has the tasks of not only standardizing process, but also to try and optimize plant layout.

Part III: Introduce the Problem

- To set-up a job on the lathe, takes one operator 30 minutes, and it may take another operator 2+ hours. In the business world, time is money and making your customers happy. Breakdown a video sample of a set-up and see if you can standardize the process, or even better eliminate internal setps.

Part IV: Background

- Students are going to need:
 - Basic Understanding of SMED
 - Lean Manufacturing Principles
 - 5S explanation
 - Film Breakdown tool

Part V: Business Solution

- Film the process of current set-up.
- Breakdown with operator the set-up
- Document procedures
- Brainstorm Solutions
- Implement Standard process
- Record and Document new set-up

Part VI: Student Solutions

(not part of video)

- Organizing of work area
- No solution, looked good to them
- Focus on step (Foot) reduction