

Process Improvement

Process Improvement Reduces Assembly Time at Compressor Manufacturer

Client

Compressor Manufacturer

Objectives

- Improve throughput by 30%
- Identify & implement layout improvements
- Identify & implement methods improvements
- Identify & eliminate assembly waste

Project Description

A cross functional Kaizen Productivity team, including Sandalwood personnel, used Lean Six Sigma (LSS) tools to identify and implement process improvements for final assembly. The team documented the current process layout, tools, Equipment, work element sequence and time to identify specific improvements and waste reduction enabling increased throughput.

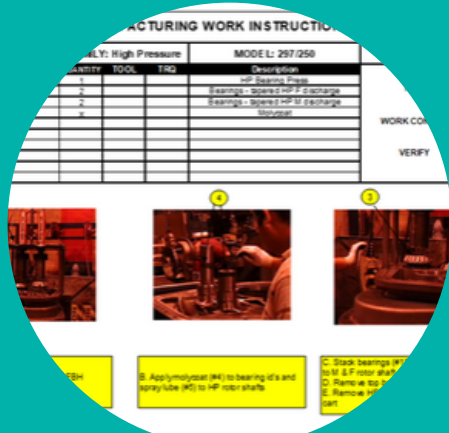
Battery Tool Improved Housing Plug Installation



Process Documentation

Sandalwood is an engineering and ergonomics consulting firm. Since 1989, Sandalwood has designed over 3,000 Ergo projects that have executed strategic solutions for manufacturers. By providing their knowledge, research, technology, and resources, Sandalwood supports its clients from the executive level to the factory floor so you can...

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Standardized Work Instructions

Results

- Overall throughput increased 50%
 - New bearing press design reduced install time 30%
 - New clearance measurement method and equipment eliminated manual measurement errors
 - Costly and time consuming assembly "teardown" repairs were almost completely eliminated
 - Layout & methods improvements reduced walk time
 - New electric tools & equipment improved methods
 - Organization and Housekeeping were improved through 5S implementation
 - Written standardized work instructions were developed and implemented to assure sustainability
- Similar results were obtained in other Assembly areas

