

## Wrapping it all up at *Coopers* !

Due to an aging Stretch Wrapping machine in the Warehouse Area of **Coopers Brewery** at Regency Park SA, an Improvement Team was established to find a suitable replacement.

Becoming the first New Equipment Management (NEM) Team for the Warehouse Area, this Cross-functional Team was tasked with the mandate for the replacement Stretch Wrapper, to:

- Establish Baseline / Target Performance Measures;
- Identify the most cost effective equipment based on Life Cycle Costing, including operability and maintainability;
- Establish the most effective Equipment Layout to minimise travel time and meet the needs of Warehouse Operators; and
- Complete within 6 weeks.

During the cycle the team would be reviewing forklift travel times to reduce non value adding activity, while also providing the opportunity for Warehouse Staff to be involved in the selection of new equipment and put forth their own ideas.

The team commenced by analysing the current situation, which involved reviewing and understanding how all the existing stretch wrap machines were being utilised including:

- Stretch Wrapping current and future requirements;
- Location of existing machines in the warehouse;
- Machine Cycle times and Operator Waiting times;
- Forklift Travel times;
- Capability, limitations and condition of existing equipment; and
- Practicality of using Packaging Line 1 and 2 inline Stretch Wrap machines when not in use.

The team categorised 3 main areas in the Warehouse where Stretch Wrapping is required:

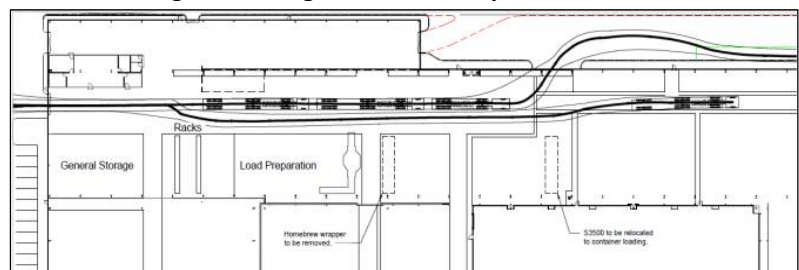
1. Home Brew and Local Picking;
2. Interstate and Export; and
3. Kegs.

With the help of the warehouse operator team members, the average times were measured for the following activities in the above 3 areas:

- Travel to Wrapper;
- Wrapping Time; and
- Travel to Staging Area.

Once these times were confirmed, the team was able to calculate the number of pallets shipped per day and per annum. Based on these figures the team worked out what time savings could be made using the new Stretch Wrapper faster cycle times and the proposed new layouts of the Load Preparation Area (refer to Figure 1).

Figure 1: Diagram of Load Preparation Area new location



The **time savings were estimated** to be in the order of **over 1600 hours per annum**. A cost benefit analysis was conducted giving a payback of 2.7 years.

Well done to the team for undertaking a great analysis and identifying the potential time savings in the procurement of a new Stretch Wrapper.

For further information please contact:



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