

Case Study

Total Productive Maintenance

“Our springs manufacturing department are the first production process in a series of steps that provide customer added value throughout our internal supply chain. It is essential that we adopt the lean manufacturing principle of Total Productive Maintenance to ensure that we improve our overall equipment effectiveness of our pocket spring making machines and ensure that our internal suppliers are always provided with what they need when they need it. OLC are helping us with a hands on approach to improvement and we can see the benefits in increased Overall Equipment Effectiveness already.”

Steve Petrovic, Operations Director (Rest Assured Ltd)

Customer

Rest Assured Ltd

Profile

Rest Assured have a long heritage of producing quality products for discerning customers. Since the late 1990's Rest Assured has strengthened its appeal to its target market by focussing more and more on the manufacture of luxury pocket spring beds.



Challenge

To introduce Total Productive Maintenance (TPM) to the manufacturing plant and in doing so increase Overall Equipment Effectiveness (OEE) of the pocket spring making machines.

Solution

The principles of TPM are well defined and are focus directly on the shop floor and the improvement of OEE. To implement TPM a programme of training, consultancy and projects were developed with the senior management team at Rest Assured.

Key

Interventions

- The identification of a team of personnel that would lead a pilot project for implementing TPM in the springs department
- A series of introductory seminars covering topics related to lean manufacturing, TPM and OEE
- Design and development of a 5Ss programme (for housekeeping) that would improve and sustain the working environment for employees on the shop floor
- Project management and facilitation of several TPM related projects
- Development of the five pillars of TPM; Planned and Preventive Maintenance; Autonomous Maintenance; Training and Development in Maintenance Practice; Early Equipment Management and Improvements; and Increasing OEE

Benefits

OEE is firmly established in the spring's department as the measurement of performance for equipment effectiveness. Increases in OEE are made through project team activities aimed at getting rid of the six big losses of manufacturing. 5S is the cornerstone of both the quality, and health and safety needs of the company and provide an improved environment on the shop floor where everything has its place.

The Company Profile

Following the purchase of Rest Assured by Silent Night Holdings in 1998, the company is now a part of the UK's largest bed makers. The acquisition brought with it Silent Night's expertise in modern manufacturing methods along with substantial financial investment. The use of modern technology and modern manufacturing techniques has been married to Rest Assured's traditional expertise in making quality products to create a powerful revitalised company.