

Franklin Electric

- Franklin Electric Co. Inc. is the world's largest manufacturer of submersible electric motors and a leading producer of electronic control systems. These products are used by Original Equipment Manufacturers (OEMs) around the world in a wide variety of residential, industrial, mining and municipal applications.
- Product range : Submersible Borehole Pump Motors, Water Pumping Systems and Submersible Petrol Pumps



Franklin Electric SA (Pty) Ltd

- Franklin Electric SA (Pty) Ltd has been in South Africa for over 30 years and now has some 800 000 submersible electric motors driving water well pumps and petrol pumps in Southern Africa

Challenge

Franklin Electric SA (Pty) Ltd had to incorporate an entire warehouse into their current facility with no space to work with. They needed to facilitate continued growth, improve efficiencies, minimize handling and improve inventory control (stock adjustments)

Standard racking systems were considered but found to be unsuitable due to:

- Poor utilisation of space
- Low inventory control
- Fatigue due to walking distance
- labour-intensive storage and retrieval of parts

Solution

Four Lean-Lifts 2460-825/281/278/75/350/30 were installed, three Lean-lifts is used in the production area, for parts distribution and storage. One Lean-Lift is utilized in the dispatch area for client services and over the counter sales.

All four Lean-Lifts are linked via the MP100D controller into Franklin's ERP system - SysPro these co-ordinates the Lean-Lifts with the ERP system ensuring absolute control over inventory and materials requirements.

The Lean-Lifts are 7meters high and holds 70 trays/containers per machine

The consultation and installation was carried out by South African Representatives **Storage Management Systems (Pty) Ltd**



Design Considerations

➤ Roof truss Layout

The Lean-Lifts had to be designed and placed correctly to utilise every available inch in roof height as well as allowing the installation team to operate.

➤ Area usage

The four Lean-lifts, occupying 32m² in footprint area, gave Franklin Electric Effectively 585m² of area to accommodate the additional stock from their other warehouse



➤ Recourses and efficiencies

Recourses and efficiencies has been dramatically improved as well as enforcing best practice with regard to ergonomics.

Advantages obtained

Operational:

- Faster efficient order picking
- Ergonomic storage of parts
- Reduction of inventory as a result of precise accounting
- Materials planning support
- Networking of the different storage systems by the powerful Hänel inventory management system



Storage:

- There is no aisle congestion
- Improved inventory management
- Effective cube utilisation
- Storage capacity requirements are met.

Question to Mr. N. Bester Operations Manager at Franklin Electric SA (Pty) Ltd:

Q: Have your expectations been fulfilled and the investment the right choice

A: The investment has been well worth while! All 4 lifts work with the utmost reliability. The decision to install the Hänel Lean-Lift system revolutionised the way we operate!