



At a leading adhesive label manufacturing plant, a Yale® Electric Forklift with a clamp handles large paper rolls.

About Paper & Films

In paper manufacturing, paper is wound in a roll form for ease of handling, stacking and transportation. These paper rolls are subsequently used in several industrial applications.

One can find the extensive use of paper in the labelling industry. During its conversion from paper rolls to paper products, paper undergoes processes such as rolling, slitting, sheeting, coating, lamination, etc.

At a company offering a wide variety of labelling and functional materials, paper and polyfilm are used as raw materials. Usually, paper and film come in the roll form and subsequently get converted into various products.

The company's end products are extensively used for labels, tags, graphic applications, tapes and other bonding solutions for industrial and retail applications.

A global leader in the labelling business required a forklift with the right clamping attachment, suitable for continuous operation in a warehouse.

The company was looking for a forklift solution for its material inward warehouse, where raw materials like paper and polyfilm rolls are stored in large quantities. A forklift with an appropriate clamping arrangement was desired to ensure safe handling, good manoeuvrability, easy reach at a height and reduce cycle time.



Challenges

- Paper and film rolls vary in diameters from 400mm to 1600mm and weigh up to 3t. A single, multi-functional, Roll Clamper was needed to handle rolls of different diameters
- Being a 'clean area', rather than the usual diesel forklift, an electric forklift was essential
- The customer also demanded a forklift that could work for over a shift on a single charge
- Two shifts working with a large number of transactions necessitated a forklift with higher speeds to reduce cycle time
- Operator safety and comfort were important considerations besides productivity

Solution

After studying the requirement, the ElectroMech Yale team recommended using Yale® Electric Forklift Model - ERP 35VL. The solution incorporates several features such as,

- **Clamping attachment** that can lift a 3t roll at a stacking height of 4.5m
- **Key switch with operator password**
- **Additional safety like blue spotlight and red side light**
- **Reverse audio alarm**

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Clamping attachments



Key switch with operator password



Additional safety lights



Reverse alarm feature



Solution

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- > Enhanced performance characteristics and designed to operate in an intensive working environment
- > Higher speeds up to 21km/hr with faster acceleration. The selected model has 27% higher lifting and lowering speeds as compared to the standard product
- > Seamless driving action with smooth forward and reverse directional changes
- > **AC Technology** with Class H traction motors provide increased acceleration even when fully laden and moving on gradients
- > **Improved ergonomics:** The forklift is designed for optimum operator comfort and provides safety, higher visibility, and ease of operation

ElectroMech Yale supplied an Electric Forklift Model - ERP 35VL to meet the challenging requirements.

For after-sales service, all ElectroMech Yale equipment are supported by our expert team at Cranedge, a subsidiary of ElectroMech, and a service specialist for material handling equipment of various makes.

Benefits

With the **Electric Forklift Model - ERP 35VL** from ElectroMech Yale, the customer is experiencing several benefits. Being electric, it is maintenance-free. Additionally, it is congruent to the 4 Pillars of Yale®:

Operator comfort (ergonomic design), Higher Productivity, Lower Cost of Ownership, and Serviceability.

- > **Ergonomics:** 3-point entry to operator cabin, electrically controlled, adjustable hydraulic power steering
- > **Productivity:** Faster travel and higher lift speeds with enhanced stability, increase productivity on the shop floor
- > **Low Cost of Operation:** Lower power consumption, auto-power down, LED lights, separate motor for power steering, regenerative braking and reduced maintenance for a majority of the components
- > **Serviceability:** The forklift is enabled with a CANbus system, which provides corrective diagnosis and troubleshooting through sensors and USB connectivity to laptops
- > **Dependability:** FEA frame, strong mast channel, AC motors, Japanese design and components
- > **Safety:** Operator presence switch, continuous stability enhancement, and guided red and blue light sensors help enhance safety of the operator and the working environment

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Customer speak

Since we were using Yale® lift trucks, we were confident of getting the right forklift solution this time too. The new Electric Forklift Model - ERP 35VL with clamp is perfect for our high productivity and low maintenance demands. Its safety features and ergonomics reduce operator fatigue and ensure safe operations.

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ElectroMech Yale offers a range of forklifts and lift truck solutions to effectively meet the challenging requirements of warehouses and various other industries. To know more, get in touch with us today.



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