



Unplanned and unorganised storage is often the major cause for warehousing disorder. The problem gets compounded, especially when a medium sized warehouse has to deal with a high volume of inward and outward goods. The floor space is cluttered with loads of various shapes and sizes stacked one above the other. Many times, additional labourers do not help in improving the efficiency. On the other hand, the thoughtless addition of material storage and handling equipment would only result in higher operational costs. Thus, very often, one finds a warehouse in a big mess due to poor utilisation of space, multiple handling and delayed operations.

**Is there any better way of handling a medium sized warehouse operation?**

**Does a medium sized warehouse have any better choice?**

**Does investing in technology for medium sized warehouse operations push up the operating costs?**

Josts, a pioneer in internal logistics solutions in India, has been serving Indian industry by providing solutions to problems related to material transportation, loading/unloading and storing /retrieving for over fifty years. People at Josts are committed to work along with their valued customers to provide application specific solutions. All major segments of Indian industry such as Food and Beverage, Pharmaceuticals, Automotive, FMCGs, Engineering, Logistics, etc. have benefitted from Josts' solutions.

**The three fundamental principles of good warehousing operations can be encapsulated as:**

- Unitisation of load.
- Utilisation of 'cube'.
- Minimisation of movement.

In addition to the above there are two underlying principles that would decide the difference between efficient and inefficient warehousing operations - Safety and Security, Control and Monitoring.

Palletising is one of the simplest and most economical ways of unitising the load and is a concept pioneered by Josts' in India way back in the 1960s. Utilisation of 'cube' would mean the effective and innovative use of floor space and vertical height. Minimisation of movement can be achieved by the use of suitable storage and material handling equipment. Josts' has solutions for both.

For a typical medium size warehouse of an area of around 35000 - 50000 sq ft and for a required throughput, Josts' can offer the most economical storage solution in terms of maximum pallet locations with adequate operating and moving space and an optimised mix of material handling equipment like hydraulic operated pallet trucks, battery operated pallet trucks and electric stackers.

Josts manufactures and supplies the entire range of storage and warehousing equipment typically required for a medium sized warehouse from its manufacturing unit at Thane near Mumbai. Josts' solutions provide the best value-for-money in terms of cost per unit load location and the cost per unit load handled.



### **Loading and Unloading :**

Jodock is an ideal solution that provides continuous movement of goods from truck/container bed to loading bay and vice-versa. It is designed to move up and down to suit varied heights of the vehicles. The dock leveler helps in reduction of truck turnover time and enables warehouse operators to attend to more trucks per day. It also eliminates double handling at the docking bay, thereby reducing the risk of damage to goods.

Josts' model DL5 of capacity 5 Mt is an ideal solution for small and medium warehouses. Josts' also offers DL10/ DL15 of 10 MT/ 15 MT capacity for warehouses using forklifts.



### **Material Transfer:**

Pallet trolleys can pick, carry, move and position a palletised load up to 2500 kg and can be handled effortlessly by a single person. Josts' offers three models of Pallet trolleys with a varied choice of forks and wheels to suit different warehousing needs. Special models for picking up load with 50mm ground clearance are also available. Unlike other models available in the market, the AM2200 has a unique leak proof hydraulic unit with special seals and can pick up the loaded pallet in just five strokes of the lever.



Battery operated pallet trucks (BOPTs) are used where frequent transportation tasks over long distances are involved. Josts' 'Pedestrian' and 'Stand-on' (EJE & ERE series) versions of BOPTs have proved their worth in terms of increased throughputs in such applications. Josts' BOPTs ensure effortless pallet handling at high speeds with their load-controlled drive and brake system without compromising the safety and comfort of the operators. Josts' ERE version can serve both as 'pedestrian' and 'Stand-on' with its folding platform offering the flexibility for manual manoeuvring over short distances and high-speed travel over long distances.



### Storage:

Josts' experts work out the optimal storage solution with maximised storage space without compromising the aisle and other space requirements for quicker material movement. Jorack, the racking system designed and manufactured by Josts, is the most effective, economical solution for vertical space utilisation that minimises the storage cost per unit load. For light duty applications, Josts' can also work out solutions in terms of mezzanine flooring or multi-tier systems with catwalks as per customers' needs.



### Stacking and Retrieving:

Electric operated stackers are simple and effective solutions for storage and retrieval of pallets at vertical storage spaces in medium sized warehouses. They must be designed for flexible handling of specialized loads, increased performance at great heights, comfortable manoeuvrability in narrow aisles, high residual capacities and long usage times. Josts' offers many options of electric stackers in terms of capacities up to 1700kg, lift heights upto 6300mm and free lifts up to 2100mm. Josts' has both "Pedestrian" (EJC series), as well as "Stand on" (ERC series) versions which can be easily manoeuvred in an aisle width as little as 2500mm. The EJB Straddle type with widened straddle arms enables the forks to be lowered up to floor level and can also be used to pick up closed pallets from the ground or lift the pallets crossways from counter balanced trucks.

Therefore, with a suitable combination of Pallet trucks, BOPTs and Stackers along with dock levelers and a suitable storage system, a medium sized warehouse can achieve high throughput at minimum cost per unit load storage and movement.

Josts' also offers total solutions for any material handling problems in any type of warehouse with a complete range of equipment like, Power Reach Stackers High Reach Stackers, Fork Lifts, Reach Trucks, etc.

With eight service centres spread across the country, Josts can reach any remote locations with its service team to provide the required services for keeping the equipment in operation all through its product cycle.



Since 1907

**Jost's Engineering Company Limited**



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