

VERTIFLO®

Over 650 Vertiflos, some in service since 1952, have proven this compact vertical conveyor to be the finest and most versatile unit available. Six standard models handle loads from small individual packages to 3,000 lb pallet loads in a high speed continuous stream with a choice of manual or automatic loading and unloading in both directions.

In both new construction and modernization of old facilities, conventional platform elevators have been removed to make way for the more efficient Vertiflo®. Vertiflo® triples handling speed, costs as little as 1/10 of an installed elevator, occupies less than 1/4 the space, eliminates floor congestion and can be more advantageously located due to its small size. The conversion from batch handling to continuous flow greatly improves the efficiency of material movement.

Construction

The secret of Vertiflo's dependability lies in its patented guide system, which orients the load carrying tray through its entire travel. Trays are suspended between two chains by means of pivotblocks and are equipped with bell cranks at each end. Lifetime lubricated rollers mounted on these bell cranks run in a double track system to hold the tray in a horizontal position during its working cycle and rotate it into a vertical position as it enters the compact return slot at the rear of the conveyor. Never is the tray free to swing or endanger the load. Other features include the smooth inner

(continued on page 3)



Flush deck installation



Manual loading of 24C85 unit



Top station 36A175 unit & deck house



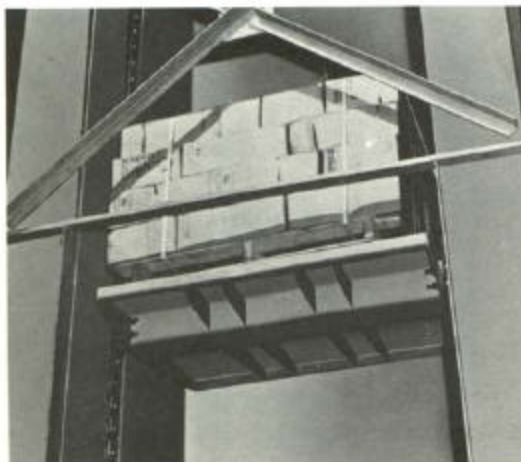
Smooth inner wall



Auto top discharge



Auto down unload



2500 Lb. Pallet on a 52A4000 unit

Manual

Vertiflo® can be loaded or unloaded manually or by the use of simple stationary devices. It will automatically load in the up direction and unload in the down direction. It will also unload in the up direction in the "over the top" position. A wide range of automatic loaders have been furnished in the past, but the most efficient is the universal automatic loader/unloader, which operates while the Vertiflo® is in full speed motion. This feature permits the highest possible rate of handling. Constant speed operation of the Vertiflo® prolongs its maintenance free life and promotes gentler handling of the load. Automatic loading and unloading of pallet loads is accomplished by other means and the use of a hydraulically operated fork unloader is illustrated. The use of Palletflo® for manually loading palletized ammunition into a shipboard Vertiflo® is illustrated in another bulletin.