

Safety and Innovation: DDSP Develops Manual Lift Device to Replace Batteries

Defense Distribution Depot Susquehanna, Pennsylvania (DDSP) uses their fleet of environmentally friendly electric carts to move people and materiel 24/7. This high usage requires frequent charging and fluids on each pair of batteries for each cart.

Weighing more than 140 lbs, changing out batteries has significant potential for muscle strain and back injury. By mounting a battery pair to a separate metal plate with an integrated lifting eye, a hand-operated lifting dolly can be used to quickly change out the battery set for charging and maintenance.

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DDSP Designs, Manufactures Forklift Bracket: Improves ALOC Pallet Construction



The top net bracket is designed to be used in conjunction with a forklift and enables a single person to install the top net onto an air pallet with virtually no risk of injury.

Defense Distribution Depot Susquehanna, Pennsylvania (DDSP) builds hundreds of pallets each year that are shipped in airplanes. These pallets, called Air Lines of Communication (ALOC) pallets, are typically built on elevators that allow DDSP staff to keep the material at a comfortable working height. Once all the necessary material is gathered on the pallet, netting is attached around the entire pallet to keep individual items from moving and falling. A top net is the last piece of netting attached.

DDSP support for Operation Enduring Freedom has led DDSP to build some of these pallets on the warehouse floor without the benefit of the ALOC elevator. Without the elevators, netting the finished pallet is more challenging because of the height of the pallet. This is especially true when installing the top net – the potential for muscle strain and back injury is increased as well.

To protect employees and speed production, DDSP staff designed a top net bracket that is used with a forklift and enables a single person to install the top net onto an air pallet with virtually no risk of injury. A single bracket can be used by several pallet-building stations outside of the elevator assembly area.