

Case Study

Facing growing e-commerce shipments – TAWI's Mobile Order Pickers are your answer

Picking things faster, safer and mobile is the challenge in logistic centres with the dramatically increasing number of online ordered products due to the Corona pandemic. TAWI's Mobile Order Picker allows one person to do the job of two while relieving their backs from injuries caused by lifting heavy objects – at the location they need it.

Kungsbacka, Sweden

TAWI's Mobile Order Picker (MOP) is indeed mobile and can be picked up with any kind of forklift or pallet jack, allowing operators to use it wherever they need to lift something. With its adjustable tower height operators can reach into pack racks or other low headroom areas giving them the greatest possible benefit in any kind of lifting operation.

Peter Wood, Global Segments Sales Manager at Piab's Ergonomic Handling Division explains: 'The growing concern to many companies is finding that balance between providing manual handling aids for their operators and keeping up levels of productivity, TAWI's Mobile Order Picker does just that. The MOP removes 100% of the weight of the products that the operators currently lifts, and its ergonomic and user-friendly controls allows operators to move at speed and keep up with their day to day tasks. The return on investment is an added bonus with the ongoing challenges COVID 19 is putting on to the E-Commerce industry. As orders are increasing this is putting added pressure on staffing levels. With TAWI's MOP, which is a single operator lifting aid, two persons pick teams can now be reduced to one, allowing companies to manage their staff and shifts more efficiently. As an additional benefit it also helps reduce the



For more information

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About TAWI / Piab

In January 2020 Piab acquired TAWI, a leading manufacturer of smart lifting solutions with global reach. The former Piab Ergonomic Handling division is now merged under the brand TAWI securing an even broader range in ergonomic handling solutions. Piab is evolving automation through progressive gripping, lifting, and moving solutions and has done so since 1951. We believe in an automated world, where no resources are wasted, and no humans are injured. With annual sales of ~ 1.5 billion SEK, 650 employees and a global presence in more than 100 countries, we help our customers improve their operations for the better daily. Since 2018, Piab is owned by Patricia Industries, part of Investor AB.

Evolving ourselves. Evolving you.
Evolving automation.

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number of damaged items due to operators dropping the products when they are heavy or difficult to grip.”

TAWI's MOP is a unique solution for mobile material handling and order picking from pallet racks. Operators can simply pick it up with any kind of forklift or truck and drive it wherever they need it to go. It is equipped with a vacuum lifter mounted on an articulating jib arm. Various vacuum lifter models can be used depending on the lifting capacity needed, and the jib arm can handle up to 80 kilograms loads. The articulating arm offers a great range of motion with a 4-meter diameter working area. Electronically driven height adjustment allows the unit to easily adapt to different lifting heights and height limitations. A 24 VDC 180Ah battery keeps it moving, while a user-friendly on-board panel makes it particularly easy to operate. The MOP is ready to start picking goods with the push of a button, while completely safe during transport. The reason is that when moving the unit, a safety lock holds the jib arm in place. At the push of a button the integrated vacuum pump starts working and support legs are automatically activated, ensuring safe and stable lifting. Starting the pump also automatically releases the safety lock on the jib arm.

Offering a healthy and time-saving way of order picking and moving goods, TAWI's MOP allows operators at logistic warehouses to lift longer, heavier, and single-handedly increasing logistics services capacity and making them safer and more flexible.

Photo



With TAWI's Mobile Order Picker, employees simply drive the lifter to the shelf location where they need it and are able to move heavy loads alone – ensuring rules for social distancing can be adhered to.