

Pick to Light Custom Mobile Cart

Challenge: Create a custom Pick to Light cart that addresses all the customer's needs.

Solution: A custom shelving unit with waterfall shelves, Epson color printer, printer slide, Zebra DS9908, pull-out shelf, and Lithium batteries.

Story: A healthcare company needed to improve their current warehouse picking solution. There wasn't an off-the-shelf product that would solve their problem so they turned to the engineers at EMP, who they had worked with many times in the past.



The customer was using a picking solution that was stationary, and they wanted to upgrade to a mobile station that could be used at both their US and European facilities. There are products on the market, but none of them had all of the desired components. The engineers at EMP worked closely with the customer to design and build the entire cart to their liking.



The shelves on the cart were designed in a waterfall shape to allow for more stacking on each shelf. These waterfall shelves had pick-to-light technology installed, and a pull-out shelf was mounted to the second shelf, giving the customer more surface area to place any items needed during the picking process. Power was also a necessary component of the mobile cart. The team at EMP knew that a typical lead acid battery would be heavy and need to be charged. They decided to install two Lithium-ion batteries. This allows the customer to hot-swap the batteries so that the cart can run 24hours per day, 7 days per week. The customer also needed the ability to print color labels directly from the cart, so an Epson C3500 color printer was installed on a pull-out shelf for easy access. Finally, the Zebra DS9908 was chosen as the handheld barcode scanner so that they could either use the trigger or put the scanner in presentation mode to read any barcode that is placed in front of the scanner.

The engineers at EMP used their engineering skills and wide product knowledge to develop a custom product perfect for the customer. Are you looking for a custom solution? Contact the engineers at EMP today!