Case Study

Kit & Component Storage

Automating kits & component parts

Customer and task

With demand on the rise, the stockroom needed more efficiency and control. "Component parts and kits were stored in cardboard boxes on shelving, making order fulfillment a time consuming, labor intensive process with inventory susceptible to shrinkage," says Mike Halsey, Director of Manufacturing and Material Management. The stockroom was struggling to support the cutting-edge manufacturing line with their manual processes.

Solution

When moving to a new facility, the stockroom implemented four Kardex Shuttle reducing the footprint of the component and kitting areas from roughly 6,454 sq. ft. to 960 sq. ft, an 85% floor space savings!

"When the wrong part makes it to manufacturing, it used to cause a shutdown – with the VLMs that doesn't happen now," says Halsey. Additionally, each transaction is monitored and recorded electronically in the inventory management software for real time inventory transparency.

The old system required seven people in the components area and seven people in the kitting area. Now, one person is required in each area, an 86% labor reduction. "Time spent walking and searching for parts and kits has been eliminated, allowing our staff to spend time on other important tasks such as replenishment," says Halsey.

Reduced labor by 86%

Increased accuracy to 99.9%

Saved 85% floor space

Case at a glance

How we took our customer from task to solution

FlightSafety International is the world's leading manufacturer of full flight simulators, visual systems and displays. With more than 40 Learning Centers worldwide, 1,800 instructors, 3,000 courses on 135 aircraft types, FlightSafety International provides over a million hours of training each year on a wide variety of aircraft types. The stockroom uses four Vertical Lift Module Kardex Shuttle to manage components and kit inventory supporting the manufacturing line in Broken Arrow, OK.

Scope of delivery

4 Kardex Shuttle

Kardex Power Pick System inventory manage-
ment software

10-position batch station

kardex.com