



CASE STUDY 2023

ROBOTIC DUNNAGE

Kronospan is a world leading manufacturer of wood-based panels using advanced technology. Their products have a wide application across the flooring, furniture, and refurbishment industries. Kronospan wanted to find a solution to their strapping machine dunnage repetitive-based tasks.

OVERVIEW

The company felt that the safety of their employees was at risk by the dunnage having to be hand-loaded, and by avoiding forklift traffic, which ultimately was a poor use of their time throughout the work day.



CHALLENGE

The Pennsylvania-based company wanted to discover a way to reduce the hazards of the continuously repetitive tasks of loading dunnage into their strapping machine while also increasing their safety from the forklift traffic. Itipack Systems undertook the challenge and completely reinvented the work process.



The newly incorporated system included fully-welded bunk holders that are able to hold multiple hours of bunks and were designed to be handled fully by a forklift.

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"There is no one-size-fits-all, quick fix in the strapping industry. Contact Itipack for your customized solution today."

Kyle Jager



SOLUTION

01

Low risk of injuries

From start to finish, the whole process removes the need for employees to interact with the bunks. This keeps them safe, lowers the risk of injury, and allows for them to be better utilized in higher-value areas throughout the work day.

02

Efficient bunks loading

These bunk holders were placed into a loading area where the bunks, once manufactured, were immediately loaded into these holders, ultimately reducing a double-touch on the product. They are then loaded and unloaded without locking out the system by using a forklift, all while the bunks are loaded into the machine via a robot with a full vacuum head.

RESULT

100% Achievement

Throughout the next couple of months, several concepts were reviewed and revised, which eventually led Itipack and Logan to reach their desired solution.

98% Success Rate

Whether it's through consulting and sales, or development and engineering, Itipack works closely with customers to provide solution-focused results