

Elevating Pallets from “Eggstra” Low Height in Time for Easter



Overview

As Easter approaches each year, the demand for delectable chocolates reaches its peak, placing immense pressure on chocolatiers and their logistical partners to ensure timely production and delivery. Alba Manufacturing, renowned for its innovative conveyor solutions, recently collaborated with a prominent chocolatier to address a critical challenge in their warehouse: the efficient transition of pallets from low to high elevations in preparation for Easter festivities.

The chocolatier’s warehouse faced a complex issue:

transitioning pallets from a gravity roller conveyor at a low elevation to a powered conveyor at a higher level, all while accommodating ergonomic considerations and spatial constraints. This challenge was compounded by the need to feed the pallets into a stretch wrapper located off-center from the packing lines.

Recognizing the urgency of the situation, Alba Manufacturing moved to solve the problem, deploying its expertise in conveyor systems to devise a tailored solution.



Address:

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Challenge

The primary challenge stemmed from the disparity in elevation between the gravity roller conveyor, which needed to maintain a low profile of no more than 10 inches for ergonomic reasons, and the powered conveyor, requiring a more traditional height of 18 inches. Additionally, the off-center location of the stretch wrapper posed a logistical hurdle.

In an industry where precision and efficiency are paramount, Alba Manufacturing continues to stand out as a trusted partner, offering innovative solutions that elevate performance and drive success. At Alba Manufacturing, we provide optimal solutions based on time-tested applications and expertise. Call Alba Manufacturing at 866.252.2634 or visit our website at www.albamfg.com.

Solution

Alba Manufacturing's solution centered around integrating a low-profile ZLS style Southworth lift table with a CDLR conveyor, Alba effectively bridged the elevation gap. The lift table's scissor leg mechanism was positioned outside the platform, optimizing space, and allowing for a minimal top of roller elevation. This innovative design allowed pallets to be efficiently raised from as low as 7 inches to a height of up to 42 inches, aligning perfectly with the requirements of the powered conveyor and the stretch wrapper.

Implementation and Success

Thanks to Alba Manufacturing's modular and adaptable components, the project was swiftly executed, with installation and commissioning completed well in advance of Easter. The integration of the lift table and conveyor system facilitated smooth and precise movement of pallets, enhancing operational efficiency and productivity. Moreover, the ergonomic design considerations ensured a comfortable working environment for warehouse operators, contributing to overall employee satisfaction and well-being.

Alba Manufacturing's collaboration with the chocolatier shows Alba's commitment to delivering innovative solutions tailored to the unique needs of its clients. By leveraging its expertise in conveyor systems and engineering prowess, Alba not only resolved the warehouse's logistical challenges but also facilitated a seamless transition in preparation for Easter, ensuring that chocolate lovers worldwide could indulge in their favorite treats without delay.

