

Trounce Tricky Transfer Troubles

About Us

Established in 1973, Alba Mfg. engineers and designs heavy-duty pallet handling conveyor systems.

Our systems consist of [chain driven live roller \(CDLR\)](#), [zero pressure accumulation conveyor](#), [drag chain conveyor](#), [gravity roller conveyor](#), [lift and rotate](#), [pallet stackers and dispensers](#), [turntables](#), [chain transfers](#), and [transfer cars](#).

Built Battleship Tough.

**Two Year Warranty
on All Products.**



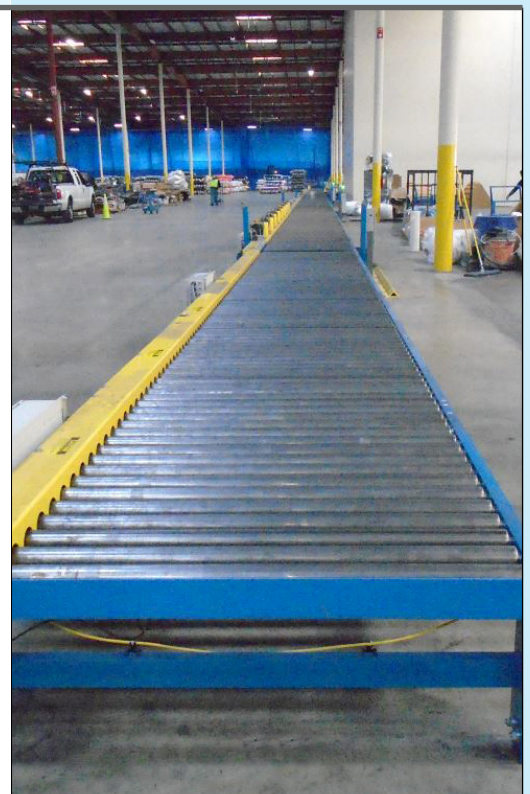
Overview

A mainstay of manufacturing is the CNC machine. The type of cutting can vary from plasma cutting to laser cutting, milling, routing, and lathes. They provide zero defects and greater accuracy, enhanced personnel safety, and eliminate unnecessary waste. CNC machines easily cut materials such as wood, metal, cardboard, stone, plastic, and even fabric.

Our case study involves clothing material – specifically, using CNC technology to pre-cut fabric before it's shipped to a T-shirt manufacturer. The product being handled – a 45" x 45" x 12" corrugated tray, weighing a maximum 500 pounds.

Working jointly with our system integrator, Alba streamlined the end user's manufacturing process. Rooted in the clothing apparel industry, the end user has fifty (50) cutting tables that are 4 feet wide and 130 feet long.

An overhead machine moves back and forth and layers fabric on the table up to 40" high. The fabric then goes into an automated CNC cutting machine which cuts out T-shirt patterns. After cutting, the material is bundled and placed into corrugated trays.



Address:

8950 Seward Road
Fairfield, OH 45011



Primary Challenges

Moving the 500-pound trays: getting the product from 50 cutting tables to the conveyor line quickly and safely. With our system integrator, Alba manufactured a cart with gravity roller to move the totes to the conveyor line.

Loading the trays given the number of tables, the system required multiple entry points to get the totes onto the main trunk line. Alba supplied several Through-Drive Side Transfers (TDSTs), to allow the operators to load in multiple areas located close to their fabric tables.

Working in tandem with our system integrator, Alba's conveying system created excellent product flow from the cutting tables to the stretch wrapper. The use of Through-Drive Side Transfers (TDSTs), Motorized Zero Pressure Accumulation (MZPA) conveyors, Turntables, and Chain Driven Live Roller (CDLR) conveyor delivered product to the stretch wrapper easily and efficiently. As a result, the customer now has a conveying system that streamlines their manufacturing process, increasing safety, efficiency, and throughput.

The next time you encounter a challenge, call Alba Manufacturing. We can help you locate your nearest Alba Partner Network Member to assist with your next project at 866.252.2634 or visit our website at www.albamfg.com.

Value Added Features

- Pin Stops on Through Drive Side Transfer
- Photo Eyes and Proximity Switches mounted to the conveyor and wired to a junction box
- Full controls on MZPA conveyors with plug and play technology for easy installation in the field
- Wheel Stops

