

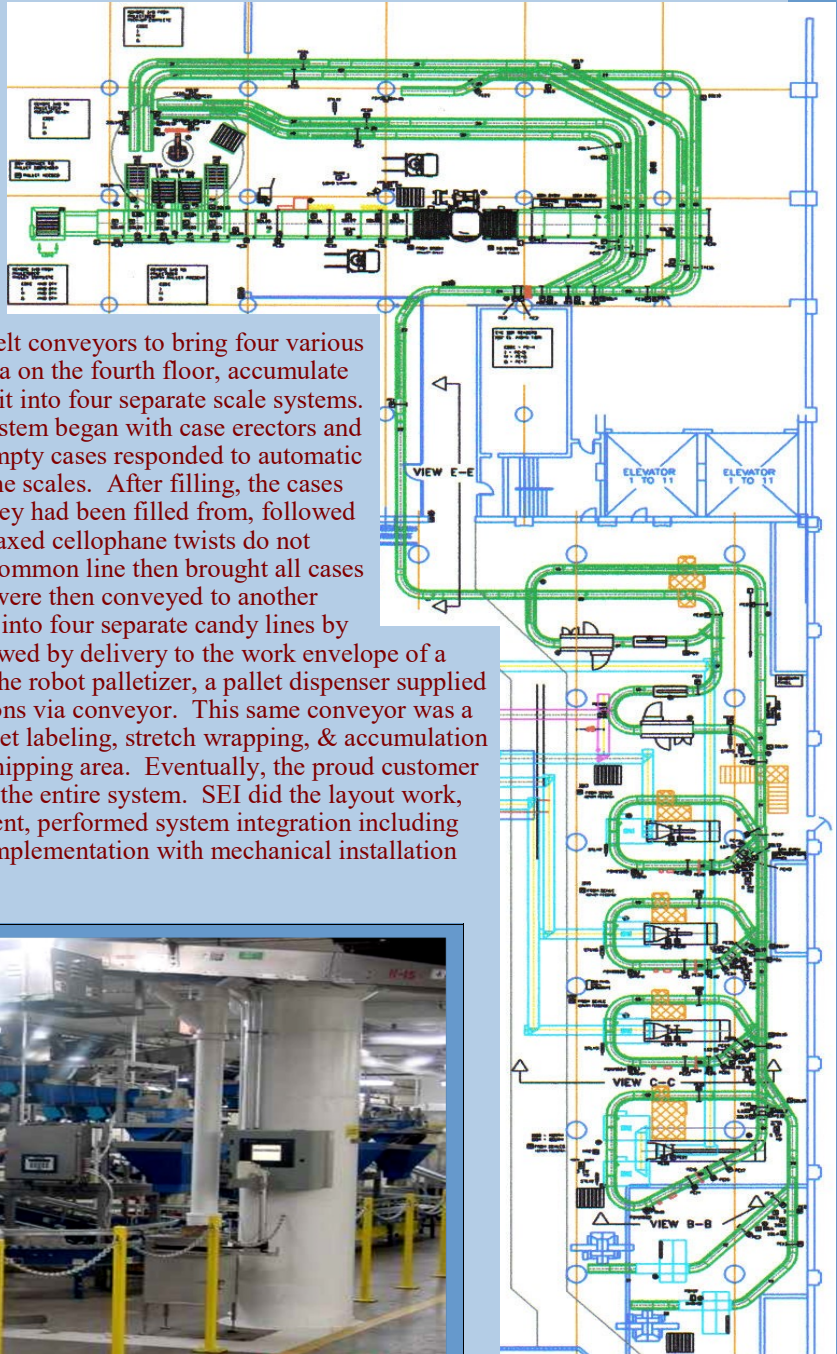
Case study: Candy Manufacturer

SCHEME & EQUIPMENT, INC. ENGINEERED HANDLING SYSTEMS

A major Candy Manufacturer had an opportunity to increase sales from their Bulk-box hard candy line to a large-lot retailer. Coupled with their existing restaurant and institutional 30 pound case sales, they saw this contract as an opportune time to automate their bulk box line. With about 30 people retiring, they hoped to shrink their packaging workforce from fourteen per shift down to five. Scheme & Equipment, Inc.

(SEI) used stainless steel troughed bulk belt conveyors to bring four various candy lines to a centralized packaging area on the fourth floor, accumulate the cellophane-wrapped candy and meter it into four separate scale systems.

Meanwhile, the case handling system began with case erectors and bag inserters, after which the conveyed empty cases responded to automatic calls from the four delivery loops under the scales. After filling, the cases were discretely marked for which scale they had been filled from, followed by labeling and a tamp-down process (relaxed cellophane twists do not allow a case to settle with vibration). A common line then brought all cases to a bag uncuffer and case sealer. Cases were then conveyed to another building where they were sorted back out into four separate candy lines by reading the discrete scale-line mark, followed by delivery to the work envelope of a robot palletizer. On the opposite side of the robot palletizer, a pallet dispenser supplied empty pallets to four pallet-building stations via conveyor. This same conveyor was a common full-pallet removal line with pallet labeling, stretch wrapping, & accumulation for removal via elevators to a first floor shipping area. Eventually, the proud customer determined that three operators could run the entire system. SEI did the layout work, supplied packaging & conveying equipment, performed system integration including controls and programming, then did the implementation with mechanical installation and field wiring.



Conveyors * Process Equipment * Packaging Equipment * Implementation

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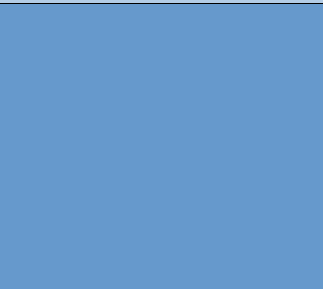
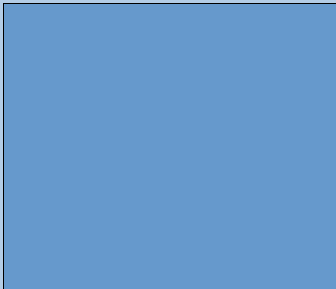
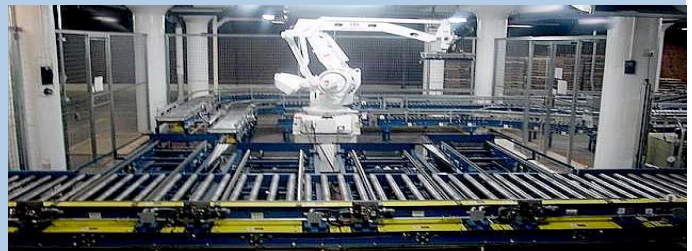
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Let Scheme & Equipment, Inc. work with you to help solve your problems!

Your complex material handling project is not just deciding what equipment to purchase. Scheme & Equipment, Inc. has the capability to work with you by defining the proper goals of the project, determining the necessary flow, selecting the appropriate equipment, reviewing integration compatibility, specifying accessory needs, drafting layout drawings, providing equipment supply, performing the mechanical installation, delivering all controls and software, supplying all field wiring, plus coordinating all start-up and training needs.

Our abilities can encompass all of your process and handling needs from raw material delivery through your value-added production process, into any side storage or accumulation needs, and finally through all of the packaging and shipping functions to complete the movement of materials in your plant.



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