



SUCCESS STORY

FULLY AUTOMATED CASE PACKING SYSTEM

KEY METRICS



FULLY CUSTOMIZED

CASE PACKING SYSTEM



4 MONTH TIMELINE

FROM SITE VISIT TO FULL
INSTALLATION



15 CASES/MINUTE

360 CANS PER MINUTE



REDUCED LABOR

DUE TO AUTOMATION



TURNKEY SYSTEM

- ROBOTIC PICK-AND-PLACE CASE PACKER
- CASE ERECTOR
- CASE SEALER
- CUSTOM CONVEYOR
- CENTRALIZED CONTROL PANEL

THE CHALLENGE

A fast-growing co-manufacturer approached SIGMA Integration, seeking a drop packer to complete their beverage bottling line. But after a site visit and deeper review of their operation, it became clear the real need was much larger. They required a fully automated system for case erecting, packing, and sealing — able to handle a 4x3 pack pattern, stacked three layers deep. The solution also had to fit a tight footprint, hit 12–15 cases per minute, and be installed within 3–4 months.

THE SOLUTION

SIGMA Integration stepped back from the initial drop packer request and delivered a fully integrated solution tailored to the client's production goals and space limitations.

A Smarter Approach

Instead of a drop packer, SIGMA recommended a robotic pick-and-place system — better suited for the can size, pack pattern, and speed targets.

Rapid Deployment from In-House Inventory

To avoid long lead times, SIGMA pulled a robotic case packer, case erector, and case sealer directly from its in-house inventory, keeping the project on track.

Engineered for a Precise Fit

SIGMA custom-designed the conveyor layout to fit the client's tight floor plan and collaborated with their preferred vendor. The robotic tooling was also modified to handle the client's unique packaging configuration.

THE RESULTS

SIGMA delivered a fully automated end-of-line solution that met every need — speed, footprint, labor savings, and timeline. By integrating three core machines with centralized controls and a custom conveyor system, SIGMA provided more than equipment — they delivered a turnkey system that streamlined and scaled the client's end-of-line operations.



contact@thesigma.group



www.sigma-integrations.com



812-303-8383