CUSTOMER & APPLICATION:

TRIM PRESS AUTOMATION SYSTEM FOR THE COUNTING AND BAGGING OF CUPS AND LIDS

DJS Systems, located in Homer, MI, manufactures advanced automation and packaging machinery for a variety of applications, including for the production of disposable food containers such as cups and lids.

Automated production lines like these require dedicated machinery to enable high volume production. DJS’ Trim Press Automation (TPA) solution is adjustable to accommodate a variety of bundle quantities as it packages products that are output from a trim press.

CHALLENGE:

INCREASE IN END-OF-ARM WEIGHT NEEDED A SOLUTION THAT PROVIDED AN INCREASE IN SYSTEM REQUIREMENTS

To orient the products from the conveyor into finished bundles, the TPA was equipped with an overhead rotary end-of-arm mechanism that can shift in weight and speed based on need. However, this end-of-arm would become unstable and wobble at high speeds and heavier weights, so DJS and the Bishop-Wisecarver team collaborated and brainstormed a customized solution that would:

- Improve stability, precision and durability
- Handle increased payloads
- Easy maintenance and easy replacement
- Reduction of components for simplified assembly

“Only with Bishop-Wisecarver can we get exactly what we need, when we need it and know that it will work reliably for the long term.”

- Customer Service Engineer, DJS Systems
I can't recommend Bishop-Wisecarver expertise enough. Their team came to the table with solutions we could manage, and our unsolvable problem is now permanently solved!

- Customer Service Engineer, DJS Systems