

## EXTRA LARGE BOTTLE CHALLENGE

*A Customer was required to run a very large container on a machine which is too small to fit the container. The pitch diameter of the stars is too small to accommodate this very large container. Adding to the challenge, the bottles were very rectangular in shape and due to their size, a Feed Screw could not be used to separate the bottles.*

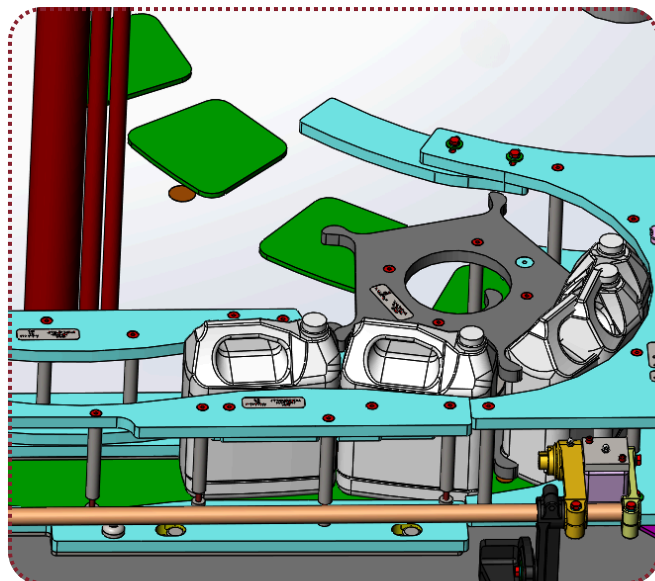
### Customer at a Glance

The Customer is a well-known medium sized manufacturer of industrial cleaning products. They package a wide variety of containers in an array of shapes and sizes and were unable to transfer this production to another machine in their plant.

### Septimatech Solution

Septimatech developed a Wavy Guide Infeed System for consistent container separation. The system ensured repeatable feeding into the infeed star.

- The infeed star and guide pitch diameters were modified to create a star wheel pocket for container feeding.
- An oversized pitch diameter and unique guide extension were added to align containers back to the machine's nominal filler pitch for filling.
- The same solution was applied to the discharge star and guide assembly.



### Results

Our Customer was able to utilize their existing machine to package this container, eliminating the concern of transferring the production to another packaging plant or out-sourcing the business to a co-packer.

**Existing Machine Life Cycle Extended**  
**Out-Sourcing Costs Avoided**