



CASE STUDY

FAI Reduces Cost For Consumer Product Manufacturer

Problem:

A well-known maker of consumer products needed to apply a gasket to both sides of an animal-feed storage container lid that came in two sizes.

Solution:

FAI developed an automation process for the customer.

At the center is a four-station rotary dial table designed to support both size lids. An operator loads the lid rims on to the dial top-side up. Next, a robot etches the surface for bonding with a flame. A Fanuc 6iB robot then uses a dispense system to apply a foam-in-place gasket bead. A second Fanuc 6iB robot removes the lid and places it into one of two cooling racks. From there, the cooled lids are removed and returned to the rotary dial table. The operator



alternates each cycle between loading parts top-side-up and bottom-side-up. In this manner, both sides of the part are flame etched, receive a gasket, and are allowed to cool. When finished, the second robot places a completed part on an outbound conveyor.

Benefits:

FAI developed a solution that saved the customer time and money whereby space and equipment was kept to a minimum.

About Flexible Automation Inc.:

FAI a group of automation, engineering & design specialists that creatively solve assembly problems. Based in Michigan, FAI has strong mid-west ethics with a tenacity to do everything it takes to find a solution. They feel this, along with their staff of over 60 automation experts is what allows them to be successful.

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