

### **MS 800 Gets Your TV Dinner Right!**

A major manufacturer of food processing and packaging equipment developed a new product designed to insert different food portions into compartmentalized plastic trays prior to freezing. The key feature of the machine was the high throughput it could achieve. Initially, the design of this machinery included a hydraulic pump and cylinder system to move the "TV Dinner" trays into position.



After testing the equipment with the hydraulic system, the manufacturer discovered that this system could not achieve the accuracy and speed required to get each food portion into its proper compartment. A faster and more accurate positioning system was needed to keep the peas out of the mashed potatoes, and the mashed potatoes out of the Salisbury steak.

Torque Systems provided the answer. A totally unique, fully food grade, IP 66 sealed linear actuator system, complete with brushless servomotors was developed for the application. Twelve MS 800 food grade actuators on the machine provided high speed, accurate positioning of the trays. Proper insertion of the food portions into their respective compartments was achieved without mishap. The machine manufacturer was delighted with the results, as this step in the packaging process was key to the overall commercial success of the food packaging machine.