

APPLICATION SOLUTION: Ultrasonic Welding



Product Family: Electric
Product Used: B3W Rodless Belt-Drive Actuator
Product Type: Standard

Application Description:

Position plastic pallets for ultrasonic welding.

Challenge:

Position 30 lb. plastic pallets on an ultrasonic welding machine. The temperature of the pallets as they come onto the machine is about 160° F. The factory environment reaches 100° F in the summer. There's condensation, heat, mold, lubricants, plastic shavings, and thousands of watts of energy constantly bombarding this machine.

Tolomatic Solution:

B3W electric rodless linear belt-drive actuator was selected because it has an enclosed belt and bearing system. The enclosed system helps keep contaminants out of the actuator to ensure long, trouble-free service.

Customer Benefit:

- Reduced component costs
- Reduced design and assembly time
- Accurate, consistent and precise positioning of items for ultrasonic welding
- Consistent performance of actuator despite harsh environment