

CASE STUDIES

Sports Drink Application

Palletizing

The Application

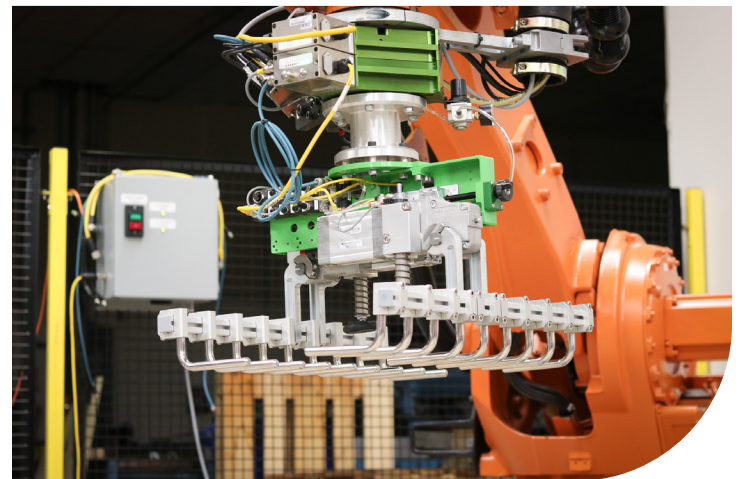
A system integrator supporting a sports drink company in Puerto Rico was responsible for palletizing bags of sports drink powder mix. This application required consistent, high-throughput handling of flexible bags in a production environment where accuracy and reliability are critical to maintaining output and product quality. The process demanded a palletizing solution capable of operating continuously while ensuring stable placement of each bag.

The Challenge

The operating environment introduced a significant challenge. Fine powder from the product was constantly present in the air, when combined with the high humidity typical of Puerto Rico, it created a corrosive condition for their palletizing gripper. Shortly, this exposure led to degradation and destruction of the integrator's gripper. The integrator needed a solution that could withstand both the abrasive and corrosive nature of the environment without compromising efficiency.

The Solution

EFFECTO worked closely with the integrator to develop a customized solution tailored to these conditions. A specialized stainless-steel version of the bag gripper was engineered to resist corrosion and maintain structural integrity in the harsh environment. This custom design provided the durability required to handle continuous exposure to powder and humidity while delivering the strength and performance expected from EFFECTO palletizing solutions. ●



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