Omron Adept SoftPIC™ grippers enable fast, accurate and hygienic transfer of product in both primary and secondary packaging applications. Using a patented design, SoftPIC grippers and graspers act as pneumatic muscles. When vacuum is applied they contract to gently but firmly grip the product being handled. They are made from soft silicone materials approved for use in the food industry, are able to work in both high and low temperatures, and are strong enough to meet safety requirements.

Primary packaging applications include raw protein, fruits and vegetables and bakery items. Secondary applications include bags, pouches, containers and clam shells in a variety of packaging patterns all manageable from a single production line – previously an impossible task for automation.

When combined with Adept’s leading vision and conveyor controls and robots SoftPIC gripping/grasping technology enables superior location and handling of randomly presented, non-rigid, wet and irregularly-shaped food products as part of primary or secondary food packaging cells.

Omron Adept SoftPIC Gripper Features

- Unique, patented pneumatic muscle gripping technology
- No direct vacuum to food products in primary applications
- Made from food industry-approved silicone
- Can be used in high and low temperatures
- Work exclusively with Adept Quattro and Cobra high-speed robots
- A variety of designs available for specific primary and secondary packaging
- Models available for produce, protein and processed food products

Omron Adept SoftPIC Gripper Benefits

- Decrease waste and operational costs
- Enable improvement in sanitation and safety
- Eliminate manual handling of product
- QuickLok system enables easy cleaning and quick product changeover