

Keeping manufacturers competitive with quality robotic solutions



ErgoPakPal Robotic Case Packing and Palletizing

Today, robots are being used more frequently for case packing and palletizing to increase throughput and production, gain benefits of advanced vision technology, and realize cost savings.

Motion Controls Robotics, in partnership with Combi Packaging Systems, developed the ErgoPakPal. This is a complete robotic system flexible enough to work with a variety of product types, weights, and sizes. The system includes complete design/detail, fabrication, assembly, robot, software, and electrical work. Setup of the system is done at Combi or MCRI for runoff approval and then brought to final customer site for testing and startup.

Using the robotic ErgoPakPal as a complete case packing and palletizing improves:

- Efficiency – performs tasks that are difficult for people
- Safety – completes tasks that are unsafe for people
- Compliance - with emerging product tracking and serialization regulations
- Flexibility – meets retail packaging variations including variable pack counts, variety packs, retail ready packages
- Cost savings – replaces high wage labor





Case Packing

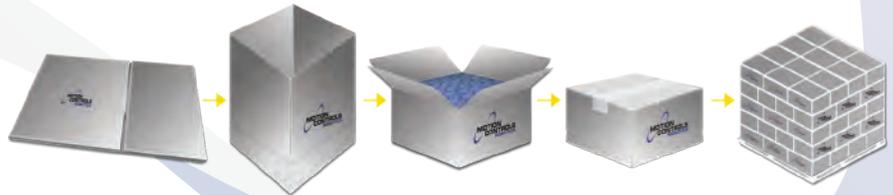
FANUC M710iC50 Robot



Case Palletizing

Robotic ErgoPakPal System Includes

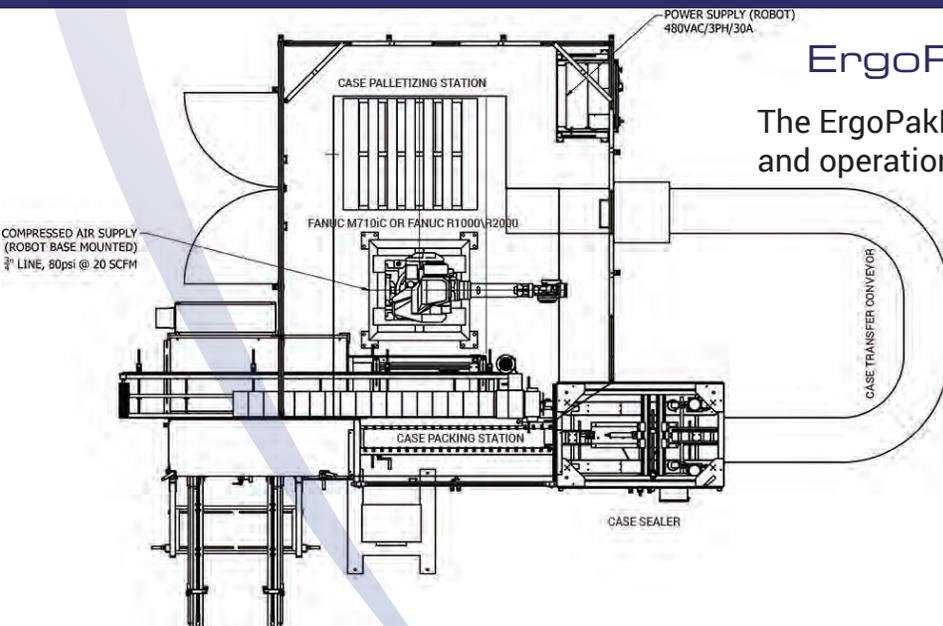
- 6 axis FANUC robot selected for the application- FANUC M70iC, R1000iC or R2000iC series robots
- Fixed robot base, anchored to the floor
- Custom, flexible end of arm tool for dual purpose case packing and palletizing
- Integrated FANUC iRVision system/2D tracking software (optional per application)
- System wiring and controls
- Operator pendant or optional HMI display for recipe management
- Perimeter guarding with safety interlocks on doors
- Programming for robot, PLC/PMC, HMI and vision
- Complete documentation in electronic format
- On-site training and support
- Compliance with all applicable RIA specified safety standards



ErgoPakPal offers both robotic case packing and palletizing with a single **FANUC** robot. Downsize your case packing and palletizing areas with this small footprint, highly flexible system for low to medium throughput.



Watch ErgoPakPal Video



ErgoPakPal Layout & Options

The ErgoPakPal can incorporate the following equipment and operations, offering a variety of capabilities.

- FANUC M70iC, R1000iC or R2000iC Series Robots
- Automatic Case Erector
- Product Accumulation
- Case Packing Station
- Product Infeed Conveyor
- Case Sealer (tape or hot melt glue)
- Case Transfer Conveyor
- Case Palletizing Station

