

Robotic Pick & Place

Variable speed placement of large items
capable of high speed production.



- Minimal machinery footprint allows maximal usage of available floorspace.
- All machines are approved for use in food production facilities and conform to appropriate standards.
- Shaped portions can be oriented and placed for optimum usage of the container.
- Capable of working at speeds up to 150 containers per minute per lane.

Robotic Pick and Place

The Robotic Pick and Place system utilizes an intelligent feed system to provide the robot clear targets to pick from. Product is gently fed to the robot in a dispersed fashion so that the vision system may distinguish individual pieces. The system can then recognize a shape, pick it up, and then place it into a container with a preferred orientation. Thus, the robot is improved by being integrated into the Raque Food Systems Pick and Place machine.

Sanitary Construction

Designed to be clean, rugged, and easy to maintain, the machine can place complex and difficult to handle product at speeds of 150 containers per minute per lane. Raque Food Systems' machinery has a worldwide reputation for reliability, quality of construction, and speed. Designed completely of high-quality, food-grade materials, all Raque machines are built to the highest of standards and can be CE marked for conformance to all E.U. Directives. Whether machines are sold to the European Union or elsewhere, all machines meet all of the applicable directives.

Operator Interface Terminal

Using the latest advances in technology, the robotic system incorporates an Operator Interface Terminal (or touchscreen) into the control system.

Touchscreens provide:

- password-protected levels of security
- ability to adjust system features
- help information
- real-time troubleshooting data



System Integration

The Robotic Pick and Place with Product Feed system can integrate into an existing line or serve as the integral control component to a new production line. Features can

be added to the machine that extend mechanical power and communication signals to remote areas. By extending mechanical power and sharing line information with other machinery, Raque Food Systems can effectively integrate line management to make your production runs a smooth and efficient process.

Custom Made for Your Needs

With more than a quarter century of history serving the packaging, frozen, and convenience food industries, Raque Food Systems specializes in finding solutions to your production problems. Raque Food Systems is at its core an engineering company with a full staff of qualified engineers. The custom design of your new system is no exception. Depending on your need, ask us about any of the following options:

- automated tray loading/denesting
- product feed and handling systems
- random infeed indexing
- integrated product filling systems
- container closing and sealing
- line integration



Technical Data

Speed:	150 Containers per Minute per Lane
Width*:	5' 10" (1767mm) across
Height*:	6' 6" (1979mm) Top of Frame
Length*:	16' 10" (5131mm)
Electrical Requirements*:	460 VAC // 3 Phase // 60 Hz // 20A (415 VAC // 3 Phase // 50 Hz)
Pneumatic Requirements*:	19.5 SCFM (552 lpm) 80 PSI Air (5.5 bar)

* NOTE: The data listed above is *typical* of a two robot system, however, because all machinery built by Raque Food Systems is custom-designed, equipment can be manufactured to fit your requirements.

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