



Professional Packaging Systems

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Feeding Concepts Vision Feeding Systems



At a Glance

- Inspects part for proper orientation
- Differentiates between good/bad parts
- Laser or other optic sends an output signal
- Regulates parts in feeder
- Triggers signal for high and or low level of parts

Pricing

Call us at 888-318-0083

Many options are available. Complete details will need to be finalized to determine requirements and final system costs. Work with your Pro Pac representative to build this machine to your specifications.

Ensure Parts Are Positioned Correctly and Without Defect

Some part selection applications may require vision depending on the orientation needed. Anything from small sensing stations with photoelectric sensors to programmable vision cameras can be used.

Vision systems can also be used to inspect parts. For example, parts could be discharged onto a conveyor belt, with backlight if needed, so an operator can check for defects.

Available Sensors

Vision Camera: Inspects part for proper orientation and differentiates between good/bad parts with an air blow-off or cylinder.

Trigger/Gate: Laser or other optic sends an output signal to a vision camera (look now) or valve to successfully trigger an inspection/operation.

Level Control Switch: Regulates parts in feeder so system is populated correctly from the hopper/elevator and does not overload. These switches include laser sensors and paddle lever type switches.

Part Present: Used with dead nests and escapements. When a part is present, the sensor instantly sends a signal back to the control which initiates another operation.

High-Level Track Switch: These critical sensors are used on inlines, conveyors, and gravity tracks with parts that will not bubble-off efficiently in the bowl. When the straight-line or gravity track is full, the bowl and hopper/elevator turn off, preventing extreme wear on the equipment. Also noise levels will be low for a longer time period because the bowl and hopper/elevator will not be running full time. The track switch can activate an air jet to eject excess parts from the entrance to confinement to allow the

bowl to continue to run.

Low-Level Track Switch: Used to show a low level of parts on an inline, gravity track, or conveyor. Directly configured to signal the customer's PLC when the track is low for a certain period of time.

Please [contact Pro Pac](#) or call 888-318-0083 for your bowl feeding equipment.