





Key Description of Sensors

	Opposing laser sensors for detecting the package width and position on the conveyor
	Reflective sensor for detecting the leading edge of the package that is being pre-staged for induction
	Reflective sensor for measuring gap between packages which is then used to determine if the pre-staged package can be automatically inducted, based on the measured width of the pre-staged package. (27" upstream from the start of injection)
	Reflective sensors for detecting if a package is present in front of the induction conveyor. When the sensors are not blocked the induction conveyor will induct on its own when it is configured for automatic mode

Selectable Operation Modes

When configured to a Manual Mode or Poly Mode, packages are staged to the green reflective sensor at position ④ and ①. This can be configured to one of three modes (**Poly Slow, Poly Fast, or Fully Automatic**) depending on product mix. When inducting a heavy poly pack mix, we recommend manual mode or poly slow mode which includes a short injection with a long pause between the next injection to help minimize overwhelming the operator with stacked packages. Choose **Poly Fast** when inducting a lighter poly pack mix.

When configured to **Fully Automatic Mode** the Parcel Singulator will induct packages from position ④ to position ⑤ consistently when the blue reflective sensors are not blocked by packages.

Fully Automatic Mode includes a specific process where the induct conveyor in front of the downstream operator at position ① is set to Manual mode, inducting packages to position ⑥. The operator at position ① will fill in any gaps left by the operator located at position ④ where packages are constantly inducted automatically. This mode allows the two operators to create a dense stream of packages with minimal spacing (preferably zero) between the packages.

