

Upgrade Kits for Improved Bottle Handling Trine Roll-Fed Labelers

Accraply offers several upgrade kits to improve the performance, durability, and productivity of Trine roll-fed labelers. Below are some upgrade kits to improve the bottle handling of your Trine labeler.

Feedscrew Drive System



The Feedscrew Drive System is highly recommended for machines operating above 200 cpm, empty and soft bottle applications, and containers that are difficult to handle.

This upgrade kit includes a 24-inch extension to the infeed conveyor on Trine Model 4400s and 4500s.

While vacuum drums and roll-on pads can be reused, all other change part components must be replaced to run on the upgraded labeler.

Benefits:

- Reduces line pressure into the labeler.
- Provides more controlled bottle handling (e.g., smoother transfer into the starwheel).
- Increases labeling speed and reduces line stoppages.
- Maintains Quick-Change capabilities from one bottle shape to another.

Discharge Stabilizer System



The Discharge Stabilizer System controls unstable (e.g., empty, tall and thin) containers as they leave the roll-on pad.

It is independently driven (½ hp 230 VAC motor), and can be retrofitted to all conveyor drive designs utilized in Trine Model 4400, 4500, or 4600s.

Benefits:

- Provides improved product control (e.g., prevents bottle tipping).
- Increases labeling speed and reduces line stoppages.
- External adjusting screw for on-the-fly tracking reduces belt drift.

Barry-Wehmiller

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Advanced Change Parts



Advanced Change Parts, available on any Trine labeler with a Feedscrew Drive System, include product-specific roll-on pad, vacuum drum, star wheel(s), infeed guides, backing plates and feedscrew.

Benefits:

- Adjustable roll-on pad creates pre-rotation for smoother bottle transition and more consistent label application.
- Stainless steel top starwheel and infeed guide improves bottle control and extends parts life.
- Adjustable starwheel core and reliable no-tool locking mechanism enables more precise set-up (no secondary timing) and quicker changeovers.
- Simple and precisely locates change parts meaning no secondary timing required and faster changeovers.

Product Flow Control

This Trine Model 4400 upgrade incorporates an expanded PLC with additional I/O, two sets of line eyes, and photo eyes to manage the flow of containers into the labeler under various operating conditions.

This capability is standard on Trine Model 4500 and 4600s.

Benefits:

- Un-manned operation, regardless of line conditions, reduces labor cost.
- Automatic speed control reduces line stoppages.
- Automatic flow-gate control eliminates the need for operator intervention.

Third Speed / Remote Control

This upgrade includes an additional line eye on the infeed side of the labeler, a program change which provides a third, adjustable, preset speed (in addition to low and high), and electrical inputs to remotely perform the following functions: speed increase, speed decrease, cycle start/high speed, cycle stop/low speed, e-stop, and third speed boost.

Requires Product Flow Control capability, which is standard on Trine Model 4500 and 4600s.

Benefits:

- Provides smoother speed transitions as bottle availability varies, reduces potential for down bottle stoppages.
- Fewer cycles reduces labeler wear and tear.
- Reduced gapping of bottles improves line productivity.
- Remote operation frees up time of floor personnel and increases line efficiency.

Trine roll-fed labelers are an industry standard, with over 2,000 systems sold in over 30 countries labeling the world's most popular beverage, food and consumer products. During the last 25 years, Trine labelers have demonstrated their versatility and generated ongoing cost-savings and efficiency improvements to customers worldwide.

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