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CYCLONE LABEL APPLICATOR OPERATING INSTRUCTIONS

1. It is recommended that the labeler be plugged into an approved and grounded 115 volt surge protecting device to protect the electrical components from voltage spikes.
2. The electrical components and stepper motor is designed to operate in an ambient temperature of -10C to $+50\text{C}$ ($+14\text{F}$ to $+120\text{F}$). Operating this unit near heat sources requires an external fan to cool the labeler.
3. This unit is manufactured to strict tolerances for ease of operation and long life. However, to ensure longevity, this labeler must be kept clean and serviced at regular intervals. (see maintenance section)
4. When feeding labelers between the pinch roller and the drive roller, always rotate the pinch roller clockwise to pinch the labels to the drive roller. **DO NOT FORCE PINCH ROLLER TIGHT AGAINST THE DRIVE ROLLER** as this will cause premature wear on the camshaft inside the pinch roller. Simply snug the pinch roller to the drive roller and hold in place with the cam tensioner nut.
5. The belt driving the take-up roller should be loose so that the take-up roller can slip as the spool becomes larger. **DO NOT PULL THE BELT TIGHT.**
6. Any labels that may adhere to the pinch roller or the drive roller must be removed to ensure proper label feed operation.
7. When feeding a new roll of labels into the Cyclone Label Applicator the **labels be removed from the backing paper of sufficient length to feed through the entire machine to the take-up roller.** This will reduce the chance of a label adhering to the drive roller assembly.

MAINTENANCE

1. It is important to keep all moving parts and the beak assembly clean so that the labeler functions properly.
2. Once the aluminum beak assembly and drive roller components are clean apply a light spray of silicone to provide a non-stick surface. **Be careful not to spray the rubber drive roller with silicone.**
3. Periodically check bolts and screws used to secure the arms for the take-up spool and label spool for tightness. These may in time work loose because of the pulse action of the stepper motor.
4. Approximately once a month apply a couple of drops of oil into the oil groove of the cam tensioner shaft to keep the bronze bushings lubricated.