Thermopatch
an Avery Dennison Company

Pro-Con
By MiRiCal

Advanced Technology

HIGHLIGHTS

- **Helps Prevent Label Loss**
- **Automatically Adjusts Dwell Time**
- **Increases Heat Sealing Efficiency**
- **Increases Production**
- **Exposes every Label to the Optimum Heat Sealing Conditions**

PROPER LABEL APPLICATION EVERY TIME!

What is Pro-Con?

- Exposes every label to the optimum heat sealing condition
- Prevents over and under heat sealing which causes label loss
- Minimizes operator error
- Automatically adjusts dwell time for various fabrics
- Increases heat sealing efficiency and effectiveness resulting in increased production

How does Pro-Con do this?

First, it must be understood how a typical heat seal machine operates. Machines are designed to affix labels to garments by applying a combination of time, temperature and pressure. General recomendations are 400°F-410°F, 8-12 seconds and 25 inter-platen pressure. (To calculate inter-platen pressure, contact Thermopatch for an instruction sheet.) These general heat seal recomendations are typical, however, heat sealing is rarely that straightforward.

In actuality, the temperature to which the label is exposed will vary dramatically dependent upon a number of factors including the surface temperature of the platens, garment temperature, type amd weight of fabric and moisture content of fabric. As the machine is being used platen temperature wil rise. To compensate for the above factors; time or pressure must be adjusted.

Pro-Con is a simple but effective device developed to address this very issue. The device controls the dwell time by having application temperature the goal rather than time. When the temperature goal is reached, **Pro-Con** ends the dwell time. **Pro-Con** overcomes the deficiencies of the machine and the heat seal process. It also provides on-going digitally displayed check on its operators to ensure successful applications every time.

An example of how **Pro-Con** works is if you heat seal on a shirt weight fabric, the heat seal time may only be 7-8 seconds, then heat seal on a coverall weight fabric and the heat seal time will automatically change to 10-14 seconds, depending on the material.

Pro-Con eliminates the need for the operator to every change the dwell time, no matter what fabric is being heat sealed to.

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