

# ***ACCUWRAP™ SHRINK TUNNEL IS SUSTAINABLE***

## **High Efficiency with Heat Conservation Design**

The FG-5000T has fully insulated housing with independent ducting between multi-chamber systems creates a closed prevents heat loss. The ductwork is internal preventing losses to the outside. All ducting is contained within the heat chamber so that any heat that might escape from the ducting is contributing to the inside chamber temperature to help the shrink process.

## **Interior Heat Design**

An interior heat design uses open heater coils to allow direct highly responsive heat in about half the time of coils embedded in ceramic thus saving energy and ensure the proper shrink. With the best of today's electronic controls to the open coils, temperature hysteresis is minimized with practically no overshoot providing just the right temperature all the time.

The heating element in the bottom and inside the chamber takes full advantage of any losses in heat transfer. The heater box is modular for redundancy requirements.

## **Precision Heat Control**

The precision temperature controls with overheat protection make the open coil concept trouble free and presents major sustainability benefits to save energy and conserve heat. With the coils inside the heat chamber all heat is use for the shrink process without wasted energy.

The FG-5000T has Pulse Width Modulator (PWM) with Proportional Integrational Derivative (PID). PWM is how the heat is controlled and PID is the way the loop is processed. Solid-state heater controls instead of relays give faster response time and repeatable accuracy with no maintenance issues. This brings shrink heat control from the typical ON/OFF mentality into today's world of sustainability.

## **Precision Air Flow Control**

The air that is directed to the product is one temperature. Airflow is variable and directional. The directional airflow allows precise air control to maximize efficiency. Four sets of baffles control airflow direction and the amount of air needed for effective shrink. Each baffle has individual, no-tools adjustment for both direction and flow. Accurate control of air supplies heat as needed with no waste. It Controls heat flow so that when you adjust for the particular package, heat is distributed evenly or as needed and efficiently for the very best esthetics and it saves energy.

The energy saving FGS-5000T can process a wide range of shapes such as hearts peanut and many more with near perfect film shrinkage. Even light products can be processed since blowers are on the bottom and draw air downward to keep the product on the belt, which is a big advantage over other shrink tunnels.

## **Shrink System Integration**

The AccuWrap Shrink Tunnel is controlled from the AccuWrap, Allen Bradley controller with inherent Ethernet communication. Temperature and belt speed can be saved as part of the recipe at the wrapper control center so that repeatability for package parameters are automatic with only a few no-tools adjustments to the airflow baffles. Set up time is cut up to 80% and saved time is sustainable.

### **Advantages**

Can be fine tuned to quickly change from 1 product to another

Modular design to protect investment

Buy single tunnel and upgrade to two tunnels

Snap conveyor makes it easier to modify

Stock parts or sub-assemblies

Belt styles are easy to take apart

Heating element is quick change

2<sup>nd</sup> tunnel can be shut off for slower speed production runs to conserve energy

Bottom heat direction

Rugged construction for harsh environments

The modular design of the FGS-5000T will protect your investment. It can quickly be converted to convection with minimal set-up. You can buy a single tunnel and convert to a double as need arises. If you have a double, one tunnel can be used. The snap in conveyor ends makes the tunnel easy to fit “inline”. The modular convey ends make it easy to change belt styles for various applications.