

# Dry Taped, Tubed or Trayed Packages CWC-158-32 - I-Dry™ Oven In Just 24-Hours

**Innovative Drying Company** in Glendale, Arizona has developed the first production component demoisturizing system in the industry.

The system effectively uses heat augmented with a mild vacuum to effectively condition electronic components stored in reels, tubes and trays within a 24 hour process period.

This allows a board assembly house to process all of the components required to meet a day's production schedule by simply loading all the components into the system or systems the morning prior and activating the system's start switch.

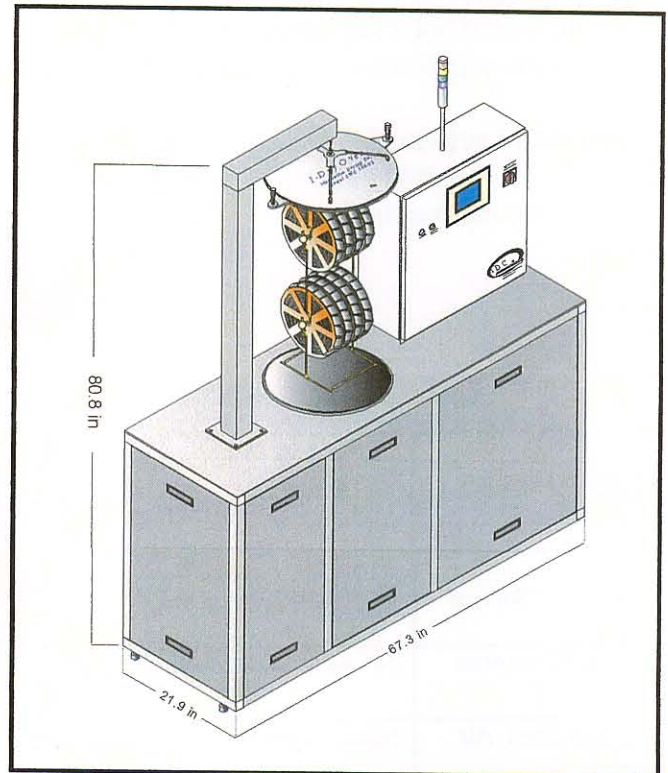
Parts will be processed and awaiting transfer to the production floor the next morning. Monday's parts are processed on the previous Friday and remain "in state" until required for processing on Monday a.m.

### **Process Safety Period**

Depending upon the production facility's ambient moisture levels, at day's end remaining processed parts can be typically used the following day or beyond. This allows most board assembly houses to complete runs from the previous day without having to unload and reprocess parts.

### **In-Chamber Fixturing**

Included with each Model 158 system is a rack assembly for loading multiple reels into the chamber and an alternate basket assembly to accommodate a "mixed bag" of tubes and trays. Both fixtures are transferred into the system's vessel via the system's load hoist.



### **The Process**

IDC has determined that the optimum process for consistently demoisturizing parts within the 24 hour process period would require baking at precisely  $70^{\circ}\text{C} \pm .02^{\circ}\text{C}$  in an oil free vacuum environment of  $< 100$  torr. This allows maximum demoisturizing without affecting the functionality of the carrier medium (reels, tubes or trays).

### **A Proven Reliable Process**

The CWC-158 technology has proven its flawless reliability in over 2 years of continuous use.

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