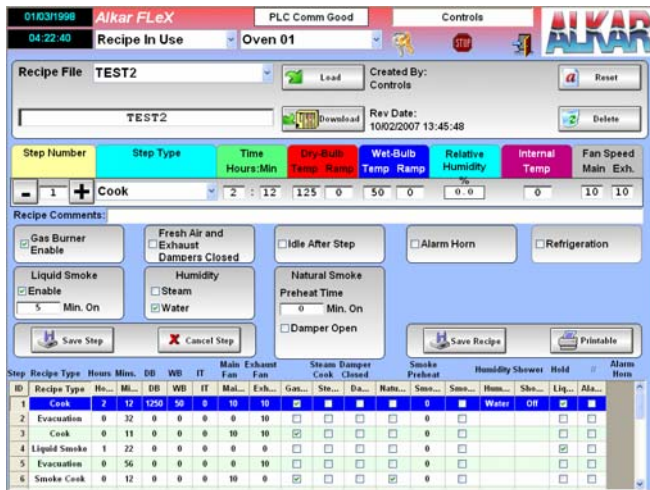
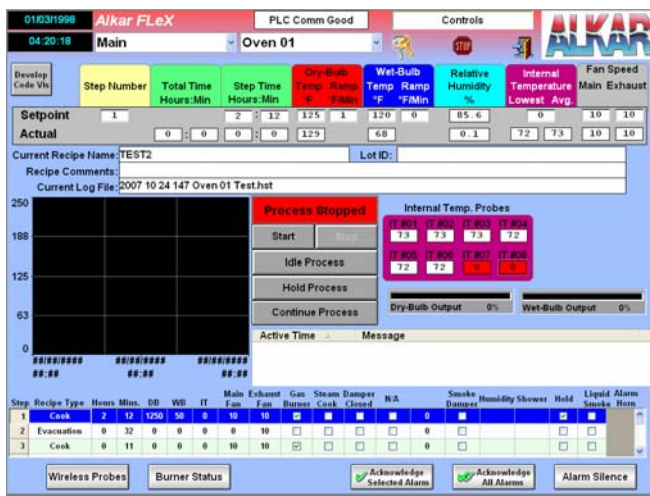


# FLeX Control System



- **FLeX System Designed to Operate up to Eight Ovens or Chillers with One Computer**
  - One Recipe Database: one operator control point to create more consistent products on every oven
  - Add Secondary Computer for Completely Redundant System: Save money over conventional one-computer system, but with the most reliable control structure in the industry
- **New Computer Design with Stainless-Steel Bezel**
  - 15" Color Touch screen – no mouse, keyboard, or screen pen
  - Solid-State Hard Drive – Long life cycle; no more hard drive crashes
  - Monitor and Computer are separate components to reduce maintenance and spare parts costs
- **Optional Wireless Probes – FLeX System is Designed to Integrate to ALKAR's New Internal Wireless Probes**
  - Wireless probes allow user to probe virtually any piece of product in oven; you are not limited by typical internal temperature probe cable
  - Allow user to track product from an ALKAR FLeX system-equipped Oven to Chiller without removing probe
- **Burner Management System – FLeX System is Designed to Integrate to ALKAR's New Burner Management System (ALKAR BMS)**
  - Burner management system is a PLC-controlled burner system that provides the most reliable burner management, alarms, and status in the industry
- **FLeX INDUSTRIAL Control System**
  - Industrial PLC, computer, and components rated for the industrial environment with a 122°F continuous duty

# FLex Control System



- **Allen-Bradley PLC – Market Leader, Reliable, Proven (utilizes Ethernet Communication Network)**
  - Remote-mount computer panel up to 150' away from MCP; field wiring reduced up to 40%
  - Easy connect to plant network; looks like another PC on network
- **Software Design**
  - Software designed as a touch screen with bright colors and large buttons for easy navigation
  - Color Trend printing, alarm printing, event printing, oven set-up printing
  - Trend data can be converted to a text or csv file for easy viewing in Microsoft Excel
  - ALKAR supplies standard Excel macros to easily import data from FLeX system
- **Alarms & Events – Email Capability**
  - All alarms and major events are logged with data, time, user, and comments
  - All major alarms and events can be mailed to up to 10 users
- **RFID Card Swipe User Access**
  - Each user assigned to a specific RFID card that allows them to operate oven
- **Web Server**
  - The *FLeX* has a built-in web server. This allows the user to view the oven data anywhere in the plant that has an internet browser (i.e., Internet Explorer or Netscape). This includes desktop PCs, PDAs, and advanced cell phones. The *FLeX* web server allows the user to view either a duplicate of the actual oven control screens, or a screen that is designed for monitoring purposes only. The screen requires security to log-on similar to the oven screen log-on. To use the web server, the *FLeX* system has a built-in Ethernet port that would be connected to the plant Ethernet network. With this technology, up to 50 users across the plant can simultaneously monitor each oven's events, alarms, and performance. The unit comes standard with one remote viewing license; extra remote monitoring licenses can be added for an additional cost.