

# YOUR SCALE INSTRUMENTS... YOUR LOADCELLS... OUR CONTROL



## INTEGRATED BATCH CONTROLLER

### **Why is it so difficult and expensive to change a system after it has been installed?**

That is a question we have often heard as we have worked with clients over the last twenty years. APEC's answer – it shouldn't be and that's why we developed the BatchBox. With our experience building equipment and control systems, we have worked and are familiar with most of the control systems that are available on the market. This insight has led to us to engineer the BatchBox – first system that is easy to setup, operate AND change in the future. We realize that your business is constantly changing and it is our goal to provide you with a system that keeps pace – now and in the future. This latest APEC innovation is NOT a BlackBox. It is an Industrial, computer-based system with open architecture for easy integration with most brands of scale instruments. Since the system uses off the shelf industrial PLC components, you never have to worry about access to spare parts.

### **How the BatchBox works**

When the BatchBox starts, it will ask the operator a series of questions, including the number of scales, number of metered liquids, ingredients, and mixers. After the questions have been answered, the BatchBox automatically sets up the graphic screen and I/O with the correct configuration. Later, if the system changes, the operator repeats the interview process and the HMI is configured with the new equipment. With the BatchBox you eliminate the need for custom programming, making the BatchBox a smart investment now and in the future.

### **The BATCHBOX advantage starts where other controls stop integrating:**

- MIXER CONTROL
- METERED LIQUIDS INTO THE MIXER
- HIGH/LOW SPEED CONTROL FOR INGREDIENT FEEDERS
- HUNDREDS OF FORMULAS
- INVENTORY MANAGEMENT
- ON SCREEN GRAPHICS OF THE PROCESS
- ETHER NET COMMUNICATIONS TO MANAGEMENT COMPUTERS
- HAND ADD VERIFICATION

# BATCHBOX SPECIFICATION

Dimensions .....	L36" W 30" D10"
Enclosure.....	NEMA4/12 or NEMA 4X
Mounting.....	Wall hanging
Power Consumption.....	10A@120vac
Power Requirements.....	15A@120vac
Weight .....	50 lbs
I/O.....	Allen Bradley Compact Logix, Flex I/O
I/O Communications.....	Device Net
Processor .....	Pentium Industrial
LAN.....	2 X 10/100T RJ-45
Storage.....	Flash Drive
Temperature Range .....	14-140 F
Operator Interface .....	Touch screen or keyboard and mouse
Scale Interface .....	Serial for most brands
Number of Scales.....	2+
Number of metered LIQ.....	4+
Number of Ingredients .....	40+
Number of Formulas .....	Unlimited
Speed Control.....	Device net to VFD
Control Modes.....	Automatic and manual on screen
Diagnostics.....	On screen
Reports.....	Ingredients, formulas, inventory, production, and alarms with time and date stamp

**APEC also manufactures a complete line of equipment so you can provide a complete system for your customer. These include:**

Hopper scales from 5 cu ft to 400 cu ft  
Garner scales from 5 cu ft to 400 cu ft  
Liquid scales from 5 gal to 250 gal  
Volumetric and Loss in Weight Feeders  
Continuous weighing scales  
Bulk bag dischargers  
Micro ingredient scales  
Mixers and blenders

