



Windows<sup>®</sup>  
95/98/NT

Active-X

Custom  
.VBX

Smarts



KARDUX Cup



Virtual  
Measurements  
& Control

If you can conceive it, we can measure and control it.



*CUSTOM PRODUCTS DESIGNED WITH  
EXPANDABLE PC/104 ARCHITECTURE*

**VMC's** custom products are designed using the PC/104 ISA stackable embedded PC architecture. This makes them the most expandable and powerful controllers on the market. With over 250 manufacturers of PC/104 board level products ranging from Global Positioning Systems to industrial X86 single board computers, Virtual Measurements & Control can offer virtually unlimited possibilities to meet your custom product needs.



## VC-505 IN-MOTION CHECK WEIGHER

### FEATURES:

- High-resolution LCD (64 x 240) Graphic 1.25" x 5" display with 0.8" digits and 60 characters of text.
- 17 Button membrane keypad with tactile keys
- Display Resolution: Selectable (1 in 10,000 NTEP)
- Selectable low pass filter and adjustable averaging
- RFI/EMI protection
- Three Zone (Under/OK/Over)
- Store (10) Target Weights
- Reject Circuit and Photo eye input to signal item exiting conveyor
- Auto print
- Accumulations by Zone, Count, Total Weight, Average Weight
- Time/Date
- Nema 12 (8" x 10" x 4") Mild Steel



## VC-505 NET WEIGHT FILLER

### FEATURES:

- High-resolution LCD (64 x 240) Graphic 1.25" x 5" display with 0.8" digits and 60 characters of text
- 17 Button membrane keypad with tactile keys
- Display Resolution: Selectable (1 in 10,000 NTEP)
- Selectable low pass filter and adjustable averaging
- RFI/EMI protection
- Single Ingredient with Fast and Slow Feed Control (120VAC or 3–32VDC solid state relay output)
- Discharge Output Control
- Auto Preact Adjustment
- Auto Print
- Start/Stop Controls with Auto Tare
- Nema 12 (8" x 10" x 4") Mild Steel



## VC-505 BATCH CONTROLLER

### FEATURES:

- High-resolution LCD (64 x 240) Graphic 1.25" x 5" display with 0.8" digits and 60 characters of text.
- 17 Button membrane keypad with tactile keys
- Display Resolution: Selectable (1 in 10,000 NTEP)
- Selectable low pass filter and adjustable averaging
- RFI/EMI protection
- Twelve ingredient single feed control with pre-act (120VAC or 3–32VDC solid state relay output)
- Twenty formulas, keyboard selected from memory
- Displays ingredient, formula number and net weight
- Auto Jog and Tolerance Check
- Report: Time/Date, Net Weight and Batch Total
- Operator Controls: Manual/Off/Auto switch, Start/Stop Pushbuttons, Hold/Run switch, Tolerance accept pushbutton, Manual Discharge and Feed Selector, 12 position rotary switch for manual feed
- Nema 12 (10" x 12" x 5") Mild Steel



## VBX & ACTIVEX CONTROLS FOR WINDOWS

These 16 and 32 bit development tools bring the power of Windows® and Windows NT® into your applications. You can design and control VMC's custom products from your PC using standard tools like Microsoft Visual Basic®. Graph real time data into Excel® or store information in a database, the possibilities are endless.



KARDUX Cup presented by the International Society of Weighing and Measurement, 1997, for Outstanding New Product that Advances Technology in the Weighing and Measurement Industry



## Smarts DEVELOPMENT SOFTWARE

The *Smarts* programming language is a simple means to adapt the VC-505 to machine and process control applications without the need for custom factory programming. You can control display messages, operator prompting, numeric and ascii variables, math functions, I/O functions, delays, serial communications, print formats, and more.

## MORE CUSTOM PRODUCTS DEVELOPED WITH *Smarts*

- Loss-in-Weight Controller
- Flow Rate Controller
- Concrete Batch Controller
- Water Treatment Controller
- Multiple Ingredient Batch Controller
- Bagging Machine Controller
- Bulk Weight Controller
- In Bound - Out Bound Truck Controller
- Static Check Weigher
- Axle Weigher
- In-Motion Check Weigher
- Net Weight Filler
- High Speed Filler
- High Speed Bar Coding Verification Systems



Virtual Measurements & Control  
1205 N McDowell Blvd., Petaluma, CA 94954  
PH: (707) 781-9560 Fax: (707) 781-9564  
<http://www.virtualmc.com>

PC/104 and the PC/104 logo are trademarks of the PC/104 Consortium.  
Copyright© 1999 Virtual Measurements & Control  
♻️ Printed on recycled paper  
Doc# 8700-000856-01