

# **ARBORTRONICS**

1520 Lodestar Road, Unit 20,  
Downsview, Ontario M3J 3C1  
Tel: (416) 638-6112 Fax: (416) 638-0007  
E-Mail: [sales@arbortronics.com](mailto:sales@arbortronics.com)  
Web: [www.Arbortronics.com](http://www.Arbortronics.com)

December, 2006

## **Large Capacity Change Machine**

Model ARB-V20



## DESCRIPTION

The Change Machine is designed to accept currency and make change for that currency in coins. The change machine consists of a Power Switch, Large Coin Tray, Bill Validator, Coin Acceptor (optional), Mechanical Counter, Control Board, two Indicator LEDs, one or two Universal Hoppers and 6' Power Cable (10' Power Cable available on demand). The change machine is housed in a secure metal cabinet made of 13 Gauge Steel, with a 3-point locking mechanism and a security flange on the hinge side of the door. A mounting base (pedestal) is also available.

The change machine uses a MDB Bill Validator for bill acceptance. Bill acceptance is usually configurable through settings on the Bill Validator itself (in the form of dipswitches, etc) For specific settings or specifications on the Bill Validator please consult the Bill Validator's manual, which is included inside the machine upon shipping. A Coinco SR3 coin acceptor is also available as an optional secondary method of currency acceptance.

A non-resettable mechanical counter mounted inside the cabinet accumulates the number of dollars accepted by the change machine. The control board, mounted on the inside back wall of the cabinet controls the operation of the change machine. A set of four dipswitches mounted on the control board configures the change machine for the various hopper configurations available on this machine, as well as entering the machine into test mode. See the table below.

The change hoppers mount separately and can easily be slid forward and out for ease loading and emptying. To remove a hopper, simply slide it forward slightly, until it can be lifted out. To fill or empty a hopper, simply remove the hopper, fill or empty it and slide the hopper back in place. After filling the hoppers, always press one of the buttons mounted on the top of the mechanical counter. To test-dispense the hoppers, press and release both buttons on the mechanical counter simultaneously, the light on the control board will go off while the buttons are pressed and begin to flash slowly when they are released. While the light is flashing slowly, pressing the left button will test-dispense from the left hopper and pressing the right button will test-dispense from the right hopper. The controller will exit from test mode automatically after 10 seconds of inactivity.

The LEDs on the front of the cabinet indicate the status of their respective hopper (ex. right LED, right hopper). If the LED is lit, the corresponding hopper is functioning properly. If the LED is not lit, the hopper is either empty or malfunctioning.

**Note:** A change machine with at least one 25¢ hopper, if the other hopper is empty, the change machine will continue to operate but will reject \$20 bills. For change machines which have a \$1 and a \$2 hopper, if the \$1 hopper is empty the change machine will continue to operate but will reject \$5 bills.

### DIP Switch Settings

	SW1	SW2	SW3	SW4	Mode
1	OFF	OFF	OFF	OFF	1 Hopper 25¢
2	OFF	ON	OFF	OFF	1 Hopper \$1
3	ON	OFF	OFF	OFF	2 Hopper 25¢
4	ON	ON	OFF	OFF	2 Hopper \$1
5	ON	ON	ON	OFF	2 Hoppers 25¢ and \$1
6	OFF	ON	ON	OFF	2 Hoppers \$1 and \$2

Other combinations of coins and/or tokens are available.

## SPECIFICATION

\$2 Hopper Capacity (approx)	1200 Coins
\$1 Hopper Capacity (approx)	1200 Coins
25¢ Hopper Capacity (approx)	2000 Coins
Bill Validator Interface	MDB
Bill Magazine	Unlimited
Coin Acceptor (optional)	Coinco SR3
Supply Voltage	120V AC 60Hz
Current	1A (max)

## Change Machine Dimensions

Weight	79lb
Height	15.5"
Length	22.5"
Depth	13.5"

## Pedestal Dimensions (optional)

Weight	37lb
Height	35.5"
Length	22.5"
Depth	13.5"

## Mounting Diagram

