

MPS VC-12 Tablet Counting Machine



“Lowest cost, high-speed machine on the market”

The VC-12 offers affordability along with out-standing speed and accuracy. The relatively few contact parts allows operators to break-down and thoroughly clean the machine in just a few minutes. No manual adjustments and only a few programming changes make change-over from one product to another simple and fast. Constructed with high quality materials and designed for maximum output while maintaining a low cost; the VC-12 truly offers the greatest value to our customers.

Standard Features

- **UP TO 45 BPM (BASED ON 100 COUNT OF ¼” ROUND TABLET):** As with all machines the number of bottles per minute filled depends on many variables. Product size, weight, density, and shape, bottle size, bottle neck size; all of these factors and more contribute to the speed of the machine. Based on ¼” round tablets filling into a 100 cc bottle with a 35mm ID neck we can achieve 45 BPM on this machine. (See speed chart at end)
- **ACCURATE COUNTS:** The accuracy of the VC-12 depends on set-up. The product must flow into the counting eyes in a single file fashion. Any product falling through simultaneously can result in an off count. If proper setup is performed prior to run the count will be accurate each time
- **TWO TRAY SYSTEM (12 COUNTING LANES):** The two tray system on the VC-12 reduces the number of contact parts and set up/change over time for the machine. The rear tray design is perfect for initial flow control and product feed to the main 12 counting lanes. The shallow V shape of the 12 filling lanes results in optimal speed and separation. All 12 lanes feed into a single bottle which allows for thousands of product per minute to be counted in single file fashion
- **MOTORIZED HEIGHT ADJUSTMENT:** The height of the VC-12 is set based on bottle height. The machine height is adjusted with the touch of a button on the HMI
- **PNEUMATICALLY CONTROLLED QUICK RELEASE FEEDER TRAYS:** The trays of the VC-12 are secured using air pressure on two air cylinders per tray. When you want to take the trays off of the machine for cleaning, the trays are unlocked with the touch of a button
- **MINIMAL CONTACT PARTS TO CLEAN:** The VC-12 has less than 10 parts that are removed from the machine for cleaning. Each part is taken off of the machine without any tools. After cleaning the parts are reassembled with ease.

- **CGMP DESIGN:** There are no hiding places for tablets or capsules. The contact components are constructed of high quality FDA compliant plastics and metals. The hopper and trays are 316 stainless steel with high polish finish on the contact surfaces. The mirror finish and the sanitary style welds ensure that no product residue remains after cleaning.
- **RECIPE STORAGE:** Each product will require different recipes to fill at optimal speeds. 100 recipes are available on the machine and can be stored to make recall simple and ensure consistent runs.
- **USER-FRIENDLY TOUCH SCREEN INTERFACE (COLOR):** The touch screen HMI allows operators to easily interface with the machine. Values are easy to change and displayed in a common sense format.
- **FRONT AND REAR VACUUM MANIFOLDS:** Dusty products can often cause the eyes to become covered and will result in an “eye blockage” error message on the machine. To reduce the negative effect product dust can have on a production run; the VC-12 comes complete with two dust extraction points. These two points are strategically placed on the machine to capture the dust and allow for a smooth run of dusty product.
- **BOTTLE DETECTION SENSORS:** The VC-12 has two bottle detection sensors:
A bottle in-feed sensor is supplied to communicate to the control system that sufficient bottles are present for filling and a bottle exit sensor to communicate to the control system that too many bottles are “backed up” and there is a jam on the downstream conveyor

12 TABLET COUNTING MACHINE

SPEED / CAPABILITY CHART

Product Shape	Product Size	Count	Container Opening	Speed (Single Head)
Round Tablet	6.5 X 3 mm	100	32 mm	40
	10 X 4.5 mm	100	32 mm	45
	13 X 5 mm	100	32 mm	33
	16 X 5 mm	100	32 mm	17
Caplet	6.5 X 16 X 5 mm	100	32 mm	40
Capsule (“00”)	16 X 5.5 mm	100	32 mm	30
Soft Gel	16 X 10 mm	100	32 mm	30



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