The next generation in capsule sorting from MOCON
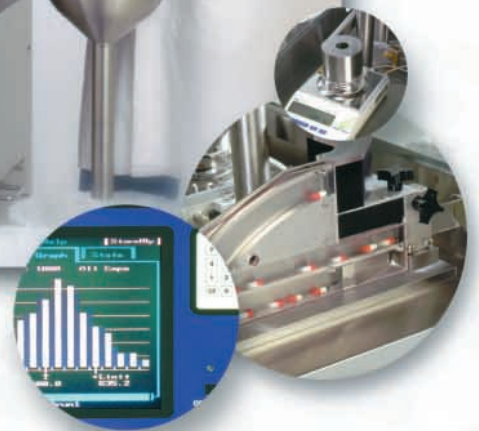
VERICAP® 4000

Highest

Throughput
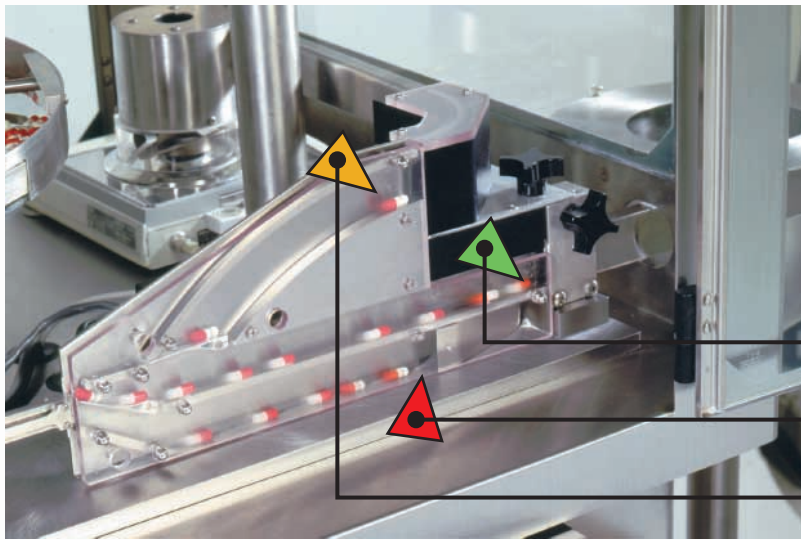
with High

Sorting Precision

High-Speed Capsule Weighing and Sorting System

mocon®

The VERICAP® 4000 features...

The

The Fastest Capsule Weight Sorter in the World

The high-speed sensor featured in the VERICAP® 4000 is capable of weighing capsules at speeds as high as 132,000 capsules per hour. To ensure precision, the VERICAP 4000 sensor re-zeros itself between every capsule weight measurement.

- **"Accepted"** Capsules
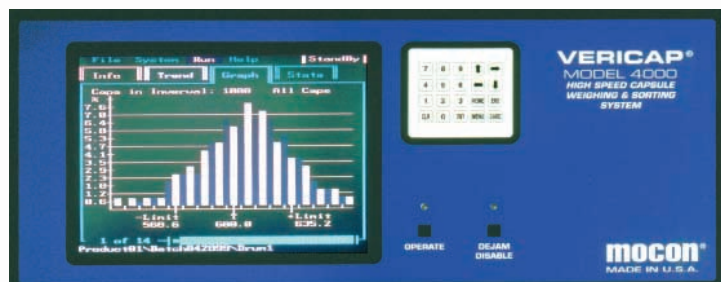- **"Rejected"** Capsules
- **"Checkweighed"** Capsules

System Enhancements:

- Improved two flipper system
- New data archival with Zip® drive
- Automatic gain adjustments
- Low-electronic-noise power supplies and motors
- Greater software precision

- Increased use of stainless steel throughout
- Quick disconnects for easier cleaning
- New glass doors
- Checkweigher included standard
- Printer included standard

Increased Accuracy

The VERICAP 4000 offers increased accuracy over previous models.

This increased accuracy is the result of a number of proprietary enhancements including improved electronics and greater software precision.
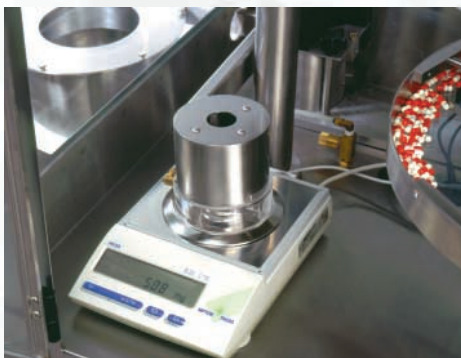
Throughput

The VERICAP 4000 is easy to use, requiring the calibration of *only one sensor!* Initial set-up and calibration is much easier than competitive systems. It also features an integrated, on-board checkweigher, which allows the VERICAP 4000 to calibrate itself *automatically* during operation.

Up to 132,000 capsules per hour

Integrated On-Board Checkweigher

The VERICAP 4000 checkweigher provides a built-in analytical balance for a gravametric weight check of a capsule. This capability automatically makes minor adjustments to the VERICAP 4000 system calibration should it become necessary during the run. This ensures maximum precision and traceability. These checkweighed capsules are collected separately and are not returned to the batch population. The frequency and number of capsules checked is adjustable.
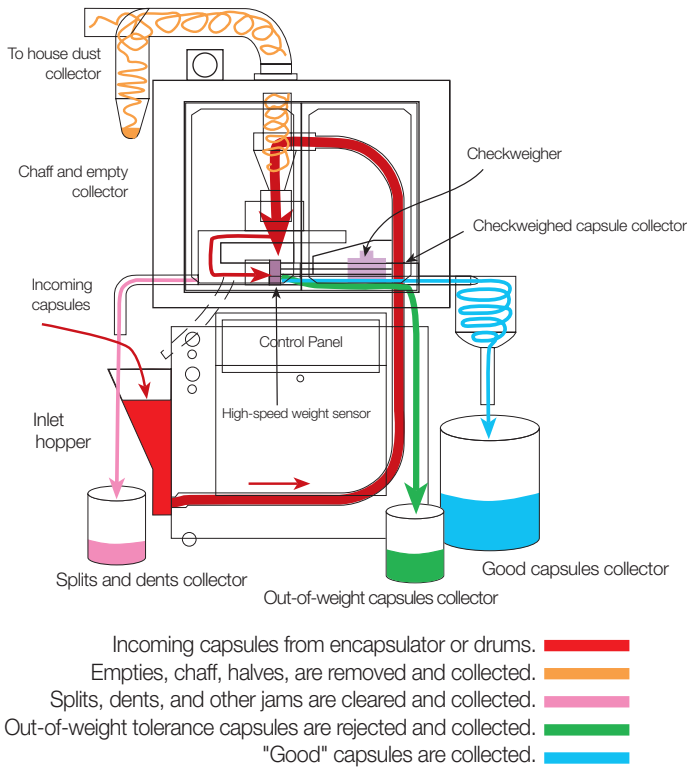
Simple and Supported Validation

On-site assistance by MOCON personnel

The VERICAP 4000 features several available validation programs based on the proven VERICAP 2500 validation packages. Depending on customer requirements, the VERICAP 4000 comes with optional validation assistance package or full validation.

Easier to Maintain

The VERICAP 4000 features increased use of stainless steel and glass for durability and cleanability. In addition the system has quick disconnects for all table top air lines and electrical connections to further enhance cleanability and reduce machine tear down and re-assembly time.

Capsule Flow Diagram

To house dust collector

Chaff and empty collector

Incoming capsules

Inlet hopper

Checkweigher

Checkweighed capsule collector

Control Panel

High-speed weight sensor

Splits and dents collector

Out-of-weight capsules collector

Good capsules collector

Incoming capsules from encapsulator or drums. ▬
Empties, chaff, halves, are removed and collected. ▬
Splits, dents, and other jams are cleared and collected. ▬
Out-of-weight tolerance capsules are rejected and collected. ▬
"Good" capsules are collected. ▬

Capsule Change Parts

Additional change parts are available for size #00, 0, 1, 2, 3 and 4 capsules. Changeover is easy and fast, without the need for tools. One change part is included in the purchase price of the VERICAP.

Fast Payback in Owner Surveys

Fast payback times have been experienced by many VERICAP users. Some companies have paid for the machine in just one batch of product. If desired, MOCON would be happy to prepare a payback analysis based on your specific capsule operation.

Specifications

Speed:	Up to 132,000/hr (2,200/minute)
Inlet Hopper:	Volume is 1033 in^3 (16.9 liters)
Power:	120 VAC±10% @ 60 Hz, 1.5A
	All international voltages available
Noise Level:	Less than 75 dbA with cover closed.
Air Requirements:	Main unit 100 psi (7 bars). Inlet supplied with quick disconnects to 3/8" (0.95 cm) hose.
Vacuum Requirements:	Soft vacuum for dust collection, 4" (10.2 cm) duct.
	Note: For maximum throughput, room humidity should be maintained between 40 and 60% RH.

mocon®

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