

INDIVION

PACKAGING OF SOLID ORAL MEDICATIONS

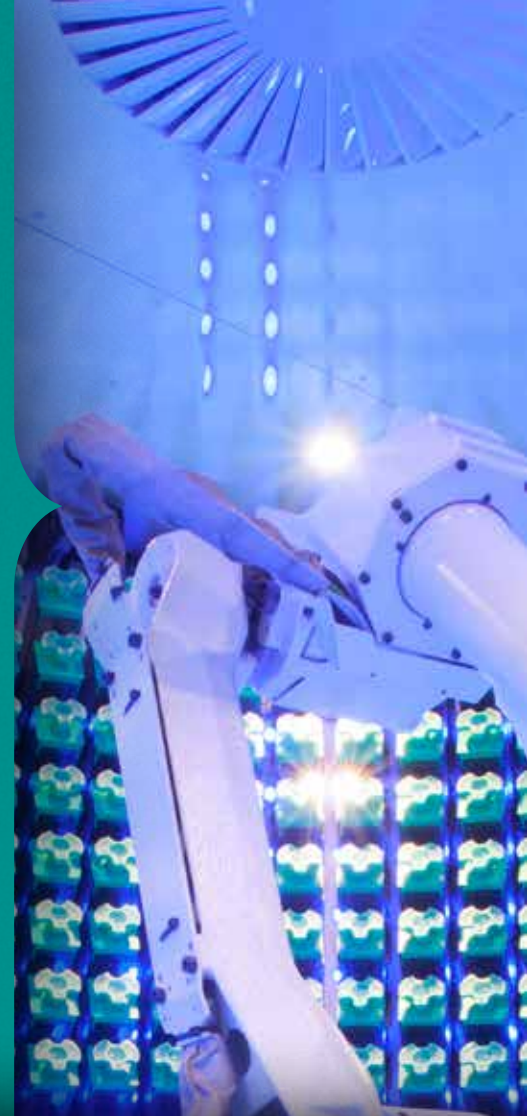
in personalized strip pouches accurately and reliably, with high-speed, high-quality, and cost-efficiency.



The VMI INDIVION meets the needs of today's Central Fill Pharmacies to pack more items, deliver more services, satisfy stricter quality measures and improve compliance with data protection and ever tighter packaging regulations.

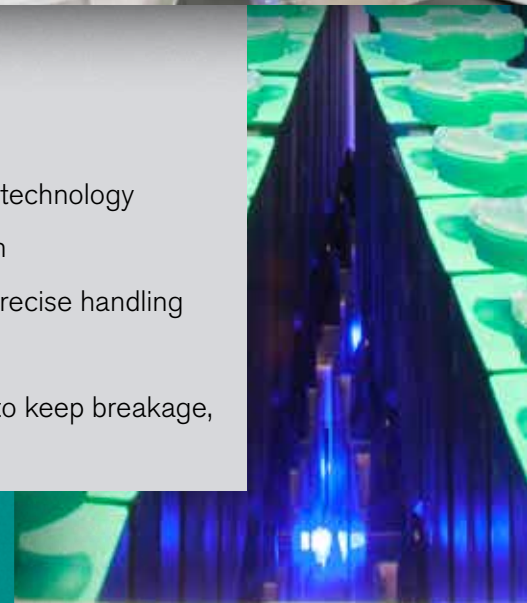
To meet these demands, Central Fill Pharmacies have automated their packaging process. However, current pouch packaging machines are based on 40-year-old technology and are not designed for 24/7 production. This means that they require considerable manual correction, after automatic inspection.

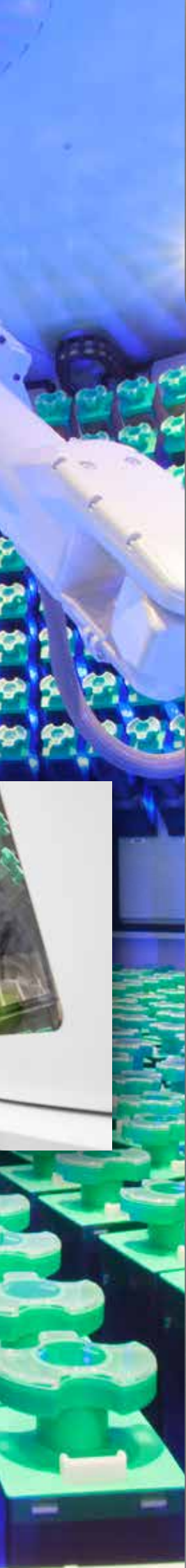
The VMI engineers took up this challenge and produced the VMI INDIVION packaging machine.



UNIQUE FEATURES:

- Unmatched speed of over 10,000 pouches per hour
- Over 1,000 smart, large volume canisters equipped with RFID technology
- Multiple features to minimize pollution and cross contamination
- Reliable and durable industrial food-grade robot for safe and precise handling of medicine canisters
- Maximum dropping height of medicines is 22 cm (8.6 inches) to keep breakage, dust and cross contamination to an absolute minimum





UNMATCHED SPEED OF OVER 10,000 POUCHES PER HOUR

The VMI INDIVION has a packaging output which is at least five times higher than the current pouch packaging machines. This is a sensational change in capability, offering two major benefits. First, fewer operators are needed to produce the same number of pouches. And second, personalized medication in pouches can now be produced on a much larger scale, thus paving the way to service a much broader customer base.

The robot replenishes the tablet canisters, while the INDIVION carries on delivering at full speed, resulting in no downtime for this activity.

OVER 1,000 SMART, LARGE VOLUME CANISTERS EQUIPPED WITH RFID TECHNOLOGY

The number of individual medicines handled by the INDIVION is virtually unlimited. The INDIVION can store more than 1,000 smart canisters. An RFID tag in the canister is linked to medicine data such as the name, batch number, expiry date and number of tablets.

Each canister is calibrated to a specific medication (pills/tablets/capsules). A huge benefit is the packaging accuracy of 99.97%, which combines three times the accuracy of current pouch packaging machines, with a superior packaging speed of 6 tablets per second.

MULTIPLE FEATURES TO MINIMIZE POLLUTION AND CROSS-CONTAMINATION

The INDIVION is equipped with several sensors which monitor the machine's environment, generating data from which information can be collected. The INDIVION docking stations are equipped with sensors to measure tablet movement (e.g. has the tablet dropped or not?). These same sensors generate data which allow the operators to recognize trends and make predictions of any possible pollution or cross-contamination. The INDIVION generates new levels of insight that deliver smarter pharmacy operations and better-informed decisions.

RELIABLE AND DURABLE INDUSTRIAL FOOD-GRADE ROBOT FOR SAFE AND PRECISE HANDLING OF MEDICINE CANISTERS

Robotics play a major role in the production landscape today. Automated production solutions are vital to any Central Fill Pharmacy operation that strives for maximum efficiency, safety and competitive advantage.

The INDIVION robot automates repetitive tasks, reduces margins of error to negligible levels and enables pharmacists and packaging technicians to focus on more productive areas of the operation.

MAXIMUM DROPPING HEIGHT OF MEDICINES IS 22 CM (8.6 INCHES)

Current pouch packaging machines allow tablets to fall from a height of anything up to 100 cm (40"). Dropping tablets from such heights can cause them to bounce, shed powder or even break into smaller pieces.

The VMI INDIVION reduces the drop to a maximum of only 22 cm (8.6 inches). This immediately eliminates much of the breakage, damage, and dust from the tablet. Cross-contamination levels are kept to an absolute minimum, thereby improving patient safety.



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