

StripPax® System

Featuring StripPax Sorbent Packets and StripPax Dispensers

Advantages

- Complete solution – from calculations through operations
- Fast StripPax Packet loading
- Compact design optimizes manufacturing space
- Packets are virtually indestructible
- Available on spools or fan folded supply formats

Packaging Presentations

- Pharmaceuticals
 - Polymer and Glass Bottles
 - Blister/Wallet Pack in Pouch
 - Metered Dose Inhaler
 - Dry Powder Inhaler Devices and/or Pre-Measured Doses
- Food Packaging
- Vitamin/Dietary Supplements
- In-Vitro Diagnostic Kits, Test Strips
- Medical Devices

Multisorb's Complete Sorbent Solution

The StripPax System is your turnkey solution; it combines the advantages of StripPax sorbent packets with the proven reliability of our Active-Pak Automation (APA) dispensing equipment. StripPax are designed to remove moisture and/or volatiles from your package headspace to promote product stability. Able to keep up with the fastest packaging line speeds, our dispensers are compatible with a variety of packaging line configurations, including horizontal flow wrappers, VFFS, bottling lines, thermoformed pouching and other layouts. We use only the highest quality sensors, drive mechanisms, and cutters. In fact, with optional splicing station cabinets, the APA dispenser does not even need to stop to refill the sorbent packets offering uninterrupted dispensing. All of these capabilities add up to higher efficiencies for your packaging operations.

Guaranteed Reliability

Multisorb uses the same technology, designed by our APA Division, to manufacture and dispense StripPax packets. Consequently StripPax are pre-qualified for dispensing on StripPax Dispensers. Because the entire system is so tightly integrated, you can be assured of the highest quality. This is only available from the company that delivered results, making Multisorb the industry standard.

StripPax Sorbent Packets

StripPax are compact, extremely durable, non-dusting sorbent packets uniquely designed in strip form for fast, automated loading by Multisorb's series of APA dispensing equipment.

- **Superior packaging material** – Uncoated, welded, medical-grade Tyvek®, an extremely tough durable non-woven material made from 100% pure high density polyethylene fibers (HDPE).
- **Sorbent choice** – A wide selection of sorbents (silica gel, indicating silica gel, molecular sieve, montmorillonite clay, activated carbon, and more) and sorbent blends for multifunctional protection are available to meet your exact specifications.
- **High strength** – Superior strength and virtually puncture proof, eliminating the risk of leakage and product contamination.

APA-1500 Mid-Speed StripPax Dispenser with standard spool unwind cabinet



- **High permeability** – Moisture and volatile gases/odors pass easily, providing for high absorption.
- **Non-dusting, lint-free** – Dense Tyvek fibers form a tight barrier, preventing desiccant dusting. The stable, abrasion resistant surface will not contaminate the product with lint.
- **Wet strength** – Unaffected by water or moisture and is as strong wet as it is dry. It will not rot or mildew.
- **StripPax won't damage tablets** – Packets are soft and flexible; unlike hard, rigid canisters, they will not damage tablets or caplets.
- **FDA/EMEA and USDA status** – StripPax products are fully supported by a Type III Drug Master File.
 - Sized to fit** – StripPax are available in a wide variety of sizes.
- **Compact** – the low profile and compact shape of StripPax packets saves space and displaces a minimum amount of product. Its flat contour eliminates any potential confusion with a capsule or tablet, and associated adverse event reports resulting from accidental ingestion.
- **Accurate** – Positive verification of placement in every container/package. Every packet is measured prior to initiating the cutting sequence to prevent open packets.



StripPax® System

Featuring StripPax Sorbent Packets and StripPax Dispensers

Multisorb's APA Series of StripPax Dispensers

Reliable – Rugged design and construction for reliable, 3-shift operation. Fewer moving parts than traditional mechanical drive systems for less maintenance.

Flexible– Configurable for various packet types, bottle sizes, multiple drops, etc. with user friendly operator controls.

Fast and easy – State-of-the-art Programmable Logic Controllers (PLC) allow for easy set-up and operation, as well as seamless integration with other pieces of equipment on the line. Pre-programmed bottle/ StripPax/ dispense speed setups are available for each StripPax product for operator convenience. Speeds up to 300+ packets per minute – among the fastest, most accurate, systems available.

Features and options – Multisorb's StripPax absorbing packets contribute to the stability profile/shelf life of many products within their packaging. Consequently, the packets' capacity must be protected during packaging operations to prevent capacity loss. Like no other dispensers available, Multisorb's APA series of StripPax dispensers are available with packet spool supply systems that can be purged with optional dry-air or nitrogen equipment, including:

- **APA-1000CG or APA-1000CB Low-Speed StripPax Dispensers** – optional spool packet enclosure
- **APA-1500 Mid-Speed StripPax Dispenser** – standard motorized spool unwind cabinet or optional motorized spool splicing station cabinet.
- **APA-2000 High-Speed StripPax Dispenser**– standard motorized spool unwind cabinet or optional motorized spool splicing station cabinet.
- **APA-4000 Twin-Head, High-Speed StripPax Dispenser**– dual packet in-feed via standard motorized spool unwind cabinets or optional motorized spool splicing station cabinets.

APA-1000CG or APA-1000CB Low-Speed StripPax Dispenser



APA-2000 High-Speed StripPax Dispenser with optional spool splicing station cabinet

It's Easy to Convert to the StripPax System

StripPax packets in strip form cost up to 50% less than the equivalent size canister. That means, depending on your annual requirements, you could pay for the dispensing equipment out of the cost savings you realize from switching to packets in as little as one year.

US-FDA Compliance – StripPax packets have a Type III Drug Master File (including canister to StripPax equivalency data) on file with the US-FDA, so changeover is easy and fast. A change from canisters to StripPax can be implemented immediately under the US-FDA Packaging/Desiccant CBE Reference Guidance Document using a CBE notification for approved ANDA and NDA drug products. Such a change would be subsequently supported via stability data in your Annual Report. However, many pharmaceutical companies have made their change from canisters to StripPax and simply stated it in their Annual Report to the FDA (with Multisorb equivalency data available upon request.)

One Company to Serve Your Needs

As a single source provider, Multisorb is able to assist you with the transition from formulation to packaging to operations. No other company can provide the same seamless service. With our proactive approach, we can analyze and solve potential downstream issues before they become a problem for you. Most importantly, because we strive to learn about the goals and requirements of your project from its inception to implementation, we are able to provide the simplest, most cost effective system solution.



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