

KRAKEN Industry Robust, High Speed, Servo Infeed and Transfer System, KSIT-100

Bag in box cartoning is a packaging technique used throughout a number of industries, predominantly in food manufacturing facilities. Cartoning and product bagging (VFFS) machines are, for the most part, standardized and time tested. The issues in many of these integrated systems however, lies in the transferring of bags filled with product to the traversing buckets of a cartoning machine. More specifically, the transfer system needs to coordinate the timing of the bag rates and transfer bags in time with the cartoner such that the system operates continuously, and yet has provisions for recovering from situations where the timing is thrown out of synchronization.

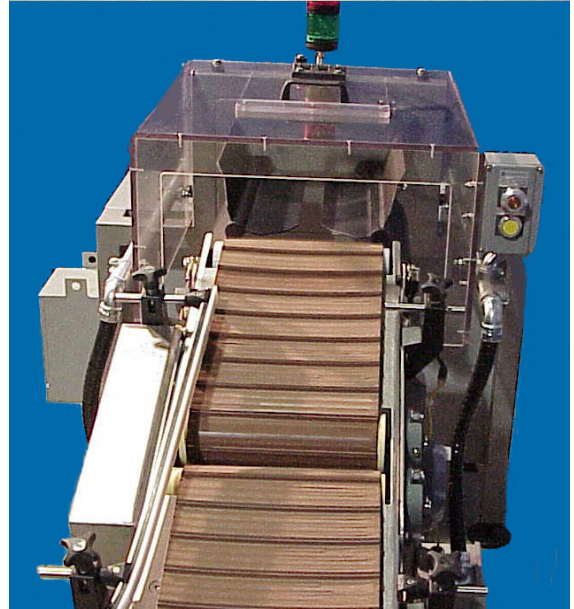
The KRAKEN KSIT-100 is the latest in industry robust and proven high speed servo transfer technology available on the market today and meets and exceeds customer end-use requirements. The KSIT-100 can work completely as a stand-alone, “plug and play” and be fully integrated into an existing carton packaging line-up. Production start-up with such a system because of its ease of assembly can be less than one day.

With NO wear parts in the KSIT-100, the system replaces costly overhead sweeps, slide gates and pivot gates which eventually result in mechanical wear and require replacement.

Kraken Automation Inc. (KAI), has provided a number of customers with a manufactured transfer mechanism that can transfer bags at rates up to 150 bags/minute on a single machine.

KRAKEN KSIT-100 transfer system provides the following features:

- Direct coupled, servo driven paddles rotated in a 120 degree motion. All paddles have a specifically designed profile bag for proper alignment prior to transfer, while preventing bag pinching during the high speed transfer motion.
- A modular control design providing a virtual “plug and play” format utilizing standard control platforms (A/B Flex I/O, etc.). All you require is to connect the I/O to the cartoner control processor and to provide the power to the transfer.



- Provision of the transfer control program to be integrated into the existing cartoner control program. KAI can provide services to integrate this code, complete with alarm handling and OI (Operator Interface) configuration for transfer cam timing entry.

Product Highlights Innovative Packaging Solutions and Factory Automation Specialists

- Single or double bag transfer capability using KRAKEN single or double stage transfer machines, at speeds up to 150 bags/min on single bag transfers or up to 75 bags/min for double bag transfers;
- No requirement for cartoners with special bucket sizing mechanisms;
- Complete Commissioning and training services for operations and maintenance personnel.

Optional:

- Metal Detection System

KRAKEN Metal Detection Integration Services

When it comes to metal detection and eliminating metal contamination or foods or products, Kraken Automation Inc. (KAI) has extensive experience in system integration and can help you integrate your metal detection device in to your transfer.

Possibly you are looking to upgrade your system or expand your existing line and your current conveyor system will not fit your metal detection layout. Not a problem for Kraken, as we can relieve you of those worries and can design conveyor/transfer systems that will accommodate any metal detection device on the market. We can supply any of the popular limes like Safeline, Loma, Fortress or Goering or as specified.

KRAKEN Standard Servo Transfer Module, KSTM-240



The Standard Servo Module is easily integrated into any existing infeed system depending on the product transfer requirement. With Servo based technology you can expect precision, placement and performance each and every time. The transfer module KSTM-240 has been tested to achieve a rate of up to 240 18" bags per minute.

The transfer precision placement device, (fins/paddles) in The transfer hood of the KSTM-240, is supplied in variable Designs to accommodate a variety of product parameters and characteristics which allow for optimum performance. (Contact Kraken for information and specs that meet your product requirements).



KRAKEN KSIT/MD-100 ▲
**High Speed Servo Infeed and Transfer System
c/w Metal Detector**

KRAKEN Automation Inc. (KAI) can customize and design to your plant specifications and is equipped to perform the required services in any locale.



[Contact us today for more information as to how KAI can assist you in your packaging machine turn-key, infeed and transfer or upgrade system requirements.](#)

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