AFA Systems' new Bag in Box Autoload cartoner

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The new MK-BIB Bag in Box Autoload Cartoner is described as a robust packaging system capable of speeds of up to 150 cpm. It can easily changeover with many single point adjustments. Upgrades to fully servo automatic changeover are available which further reduce changeover time. Supplementary equipment can be retrofitted to the MK-BIB including Laser/Ink Printers, Scoop Feeders, Leaflet Feeders, Checkweighers, and more.

Sliding buckets are used for carton loading which eliminate catch points and ensure positive loading. The cartoner is also said to have a very small footprint to ensure flexibility in end user's manufacturing facilities.

The MK-BIB integrates with upstream vertical form fill seal machines. Bags will come on a conveyor to a dual servo star wheel bucket loading mechanism. The first star wheel will receive bags and then drop the bags onto a second star wheel. The second star wheel will momentarily hold the bag until it is released into the passing bucket. The bucket will move to the barrel cam loading system with overhead confiner and load the product into the carton. Cartons are erected by a servo driven rotary feeder. After the carton is filled, it is discharged downstream for further processing.

The MK-BIB is equipped with an Allen Bradley ControlLogix PLC and servo motors. Options available include overhead confiners, overhead squaring chains, bar code readers, extended carton magazine, pre-break rotary feeder for square cartons and open flap detectors.