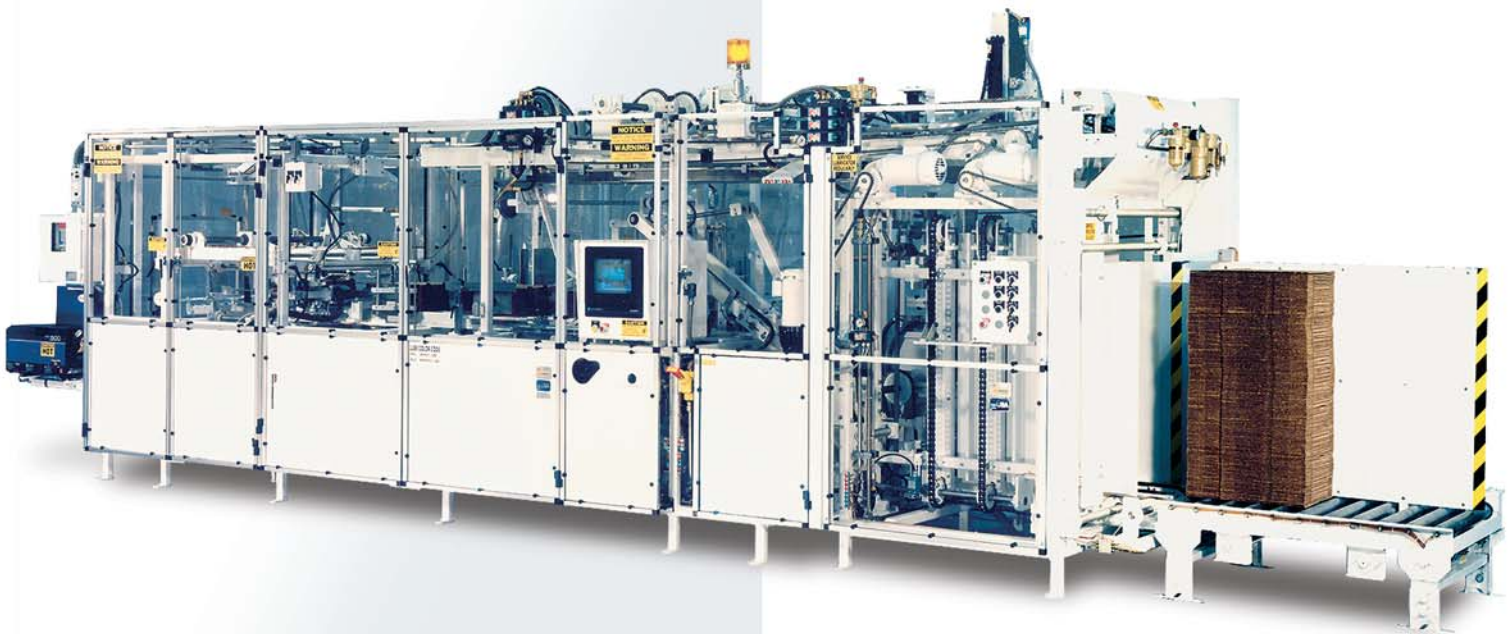


FF & BN SERIES

KD Case Feed Systems



Automatic KD Case Feed Systems Eliminate Manual Loading

- Minimal Operator Interaction
- Heavy Duty Construction
- Easy Integration
- Quick Changeover
- Customized Designs - Multiple Feed Directions
- Extra Conveyor Length Available
- Station for Automatic Removal of Bottom Dunnage Available
- Load with either Fork Lift or Clamp Truck



FF & BN SERIES

KD Case Feed Systems

SWF Companies' FF and BN Series are automatic KD case and tray feed systems that are easily integrated with SWF's fully automatic case openers/sealers (both new and existing). These systems easily allow stacks or bundles of KD cases to be delivered by fork truck, clamp truck or other mechanized vehicle, thus eliminating manual loading.

The FF Series is designed for feeding bundles of KD cases to any case opener/sealer (including non-SWF equipment) without conventional case magazines and to automatic case openers/sealers utilizing a vertical KD case magazine. The FF models have an infeed conveyor on which stacks or bundles of KD cases are placed. The bundles then have the strapping and dunnage removed prior to being conveyed into the elevator section. The elevator lifts the stacks of KD cases so that one case at a time can be picked off and transferred to the case opener/sealer's case opening station or vertical KD case magazine. Furthermore, multiple KD stacks can feed an FF system via automatic indexing, freeing the operator to resupply the KD cases only when the last stack is in the elevator.

The BN Series is designed for use on any automatic case opener/sealer that utilizes horizontal KD case magazines. The BN 100 is designed for case openers/sealers with high case magazines and the BN 200 is designed for low level case magazines. On both models, the KD cases are placed on the infeed section of the bundle loader with the cases laying flat. The bundles are then powered into the rotator section and rotated 90 degrees for proper feed orientation into the horizontal case magazine. Once the bundles of KD cases are contained by the magazine follower plates, the operator can then remove the bundle strapping and bottom dunnage.

To learn more about the FF & BN Series and SWF Companies' broad line of forming, erecting and sealing solutions for secondary packaging, case/tray packing systems, horizontal/vertical cartoners and robotic packaging solutions, please visit our website at www.swfcompanies.com

FF & BN Series Machine Operation:



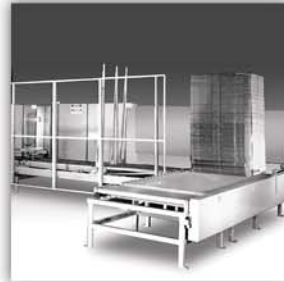
Stack of KD cases entering the FF 100 elevator



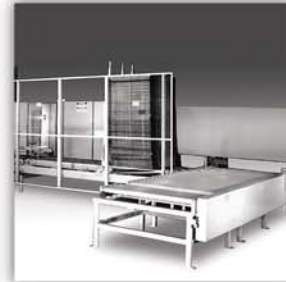
KD case is delivered from elevator to opening station



BN 200 with optional load station



KD cases transfer to the BN 200



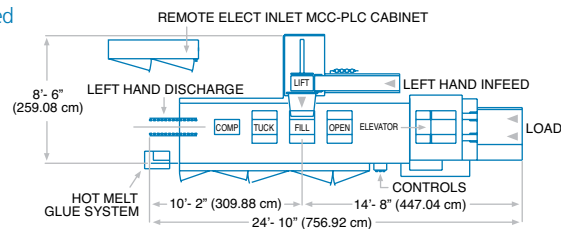
KD cases ready to be rotated



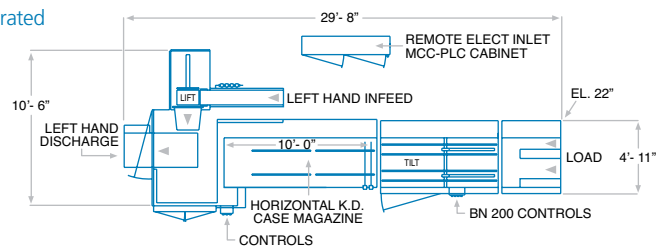
KD cases shown during rotation

FF & BN Series Machinery Specifications:

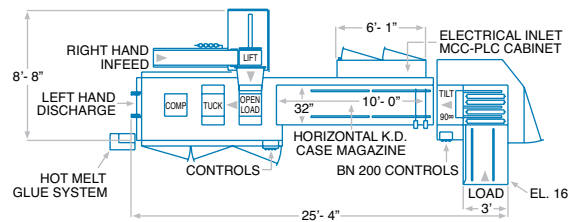
FF 100 Integrated to an OS Series Machine



BN 200 Integrated to a CP 440



BN 100 Integrated to an OS Series Machine



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