

CCM 3100

SIMPLIFIED CASE PACKING OF STAND-UP AND LAY-FLAT PACKAGES ON ONE MACHINE

PRODUCTS

Easily integrates with both vertical form-fill-seal (VFFS) and horizontal form-fill-seal (HFFS) machines to load a wide range of case styles including regular slotted containers (RSC), half slotted containers (HSC), and shelf/retail ready displays.

HIGHLY FLEXIBLE DESIGN

Meeting manufacturer's needs to quickly change production formats, the CCM's unique design gives it the ability to easily change between horizontal (lay-flat) and vertical (stand-up) case packing across a broad range of case and pack styles. Tool-less, reproducible and repeatable changeovers support a vertical start-up. The configurable design of the CCM allows flexibility in providing floor plan solutions.

RELIABLE, HIGH EFFICIENCY OPERATION

A robust full-servo control design provides high-level operational performance and long machine life. The twin track collation system is designed for high production rates and fast changeovers. It feeds a large reach 2 axis robot capable of gently picking and placing up to 180 packages per minute into cases.

OPERATOR FRIENDLY DESIGN

A large 12" color touchscreen with intuitive icon driven navigation makes set-up and diagnostics straight forward. Fast, tool-less changeovers and easy cleaning are facilitated by the machine's open design.

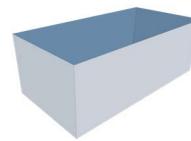
Your benefits

- ❑ **Highly flexible design:**
Load packages into cases horizontally (lay flat) or vertically (stand-up) with fast changeovers on one machine
- ❑ **Wide format range:**
Wide package and case size range provides flexibility for current and future needs
- ❑ **Single source supplier:**
Simplify projects and eliminate integration risk by sourcing case packing and primary packaging from a single supplier

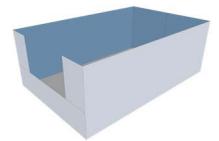
Case Styles



RSC

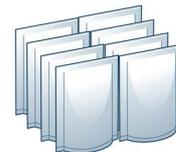


HSC



Shelf/Retail Ready

Pack Patterns



vertical loading
(stand-up)



horizontal loading (lay-flat)



Packaging Line Structure.

Product Handling			Primary Packaging		Secondary Packaging		
Pick & Place	Distribution	Feeding	Flow Wrapping	Vertikal Bagging	Cartoning	Toploading	Case Packing
CCM 3100							

Standard features

- ❑ Horizontal (lay-flat) loading
- ❑ Twin track collation system
- ❑ 2.0 meter infeed with air blast package reject
- ❑ Bosch Rexroth 2 axis robot with fixed end effector
- ❑ Servo driven high grip carton belts
- ❑ HMI 12" color touch screen with Ethernet connectivity

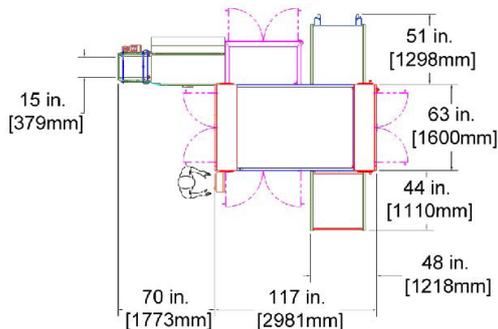
Optional features

- ❑ Vertical (stand-up) loading
- ❑ Twin infeed
- ❑ Allen-Bradley controls and drives
- ❑ Additional 1.0 meter infeed conveyor
- ❑ Infeed with diverter plow reject
- ❑ Stainless steel construction
- ❑ Spare parts kit
- ❑ Double pick end-effectors
- ❑ Case flow-through function

System integration

Up- and down-stream equipment for primary packaging, case erecting and closing, conveyors, check weigher, case settler as well as printer/coder/reader modules can be provided for a complete system solution.

CCM 3100 dimensions



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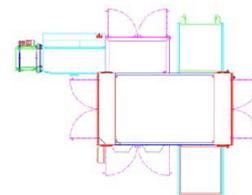
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Technical Specifications

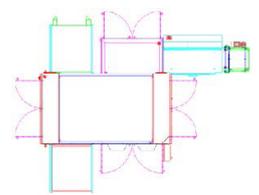
Capacity	min.	max.
Input (bags/minute)	0	180
Output (cases/minute)	0	30
Case size range	min.	max.
Length (mm/in)	125/5"	650/26"
Width (mm/in)	125/5"	450/18"
Height (mm/in)	125/5"	450/18"
Flap Length (mm/in)		225/9"
Filled Case Weight (kg/lbs)		25/55
Package size range		
Length (mm/in)	100/4"	400/16"
Width (mm/in)	80/3"	400/16"
Height (mm/in)	10/0.4"	120/5"
Pick & place payload (kg/lbs)		5/11
Electrical	Lorem	ipsum
Standard supply	480 V, 3 phase, 35 amps	
Power	50 OR 60 Hz	
Degree of protection	IP54 (Nema 12)	
Pneumatics (bar/PSI)	min. 6/90	

Examples of floor plan solutions

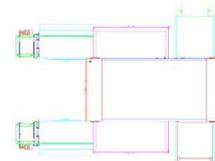
Single infeed left to right



Single infeed right to left



Dual infeed



Parallel flow

