

CT – Model HC-3200 Horizontal Cartoners



The HC-3200 is a high-quality, automatic cartoner that erects, closes, glues cartons and inserts the product into the cartons. The automatic loading of the product is accomplished with the addition of a servo-controlled, cam-driven product inserter to a cartoner built on the basic foundation of the HC-120 semi-automatic cartoner. The cartoner is constructed of stainless steel and anodized aluminium.

This machine is designed to be adaptable to a wide range of product and speed ranges in order to offer the most utility. The HC-3200 relies on mechanical synchronization of the various moving components that perform the process of erecting and closing a carton to reduce setup time. Electronic setup parameters are saved and recalled, in the form of box recipes, using the HMI (Human Machine Interface). The values are loaded into the PLC (Programmable Logic Controller) program with the simple entry of a box number. These parameters will include pneumatic and glue functions that are controlled in relation to the position of cartons on the cartoner chains enabling a wide range of throughput rates with minimal or no parameter adjustment.

The use of the PLC and HMI enables the cartoner to accept a wide range of optional equipment such as coders, labellers, barcode readers and conveyors reducing control system complexity, increasing reliability and performance while concentrating control functions to the touch screen.

Features:

- Up to 120 cartons per minute;
- HMI: color touch screen;
- No product / no carton feed;
- No carton / no insertion;
- No insertion / product reject;
- No carton / no glue application;
- Consecutive no carton detection;
- Sensor failure/obstruction detection;
- Product jam detection;
- Cartoner jam detection;
- Position control of pneumatics and glue;
- Intermittent or continuous operation;
- Glue system monitoring;
- Full safety interlocks.