

60% faster carton collation!

Do you need to collate cartons quicker? A throughput of 300 cartons per minute – up to 60% more than conventional machines – makes the new Matrix side-feed collating and shrink-wrapping machines from Linkx Systems the perfect choice for use in today's food packaging applications where efficiency and productivity are key issues.

And high throughput is by no means all that the innovative Matrix machines have to offer. Equally suitable for use with frozen, chilled or ambient-temperature products, they provide multi-size collation capabilities with fast repeatable one-touch size change, and low-stress carton handling that eliminates the risk of product damage. In addition, packs from Matrix machines are more robust than those produced by conventional machines, allowing improved pallet utilization.

With 300 carton-per-minute throughput, there are many applications where a single Matrix machine can handle the work that would require two machines of more conventional design. This opens the way for big savings in cost and in valuable factory floor space.

The key to the exceptional performance of the Matrix machines is a novel control system that incorporates a powerful programmable controller, a precision servo system and variable speed drives.

Linkx Systems has configured the servo system to operate as an electronic cam, which minimises stresses on the cartons and which also facilitates rapid product changeovers that reduce machine downtime. Servo-driven functions include the starwheel upender, collation system, wrapping pusher and sealing jaw.

Using the Matrix machines is straightforward and convenient thanks to the provision of a colour touch-screen operator interface. This makes it easy for users to create product, batch and volume “recipes” which can then be selected simply by touching the screen. The interface also provides fast and easy access to current and historical production data, and to the machine’s powerful diagnostic functions.

Suitable for use with cartons from 130 x 90 x 25 mm to 225 x 180 x 60 mm, Matrix machines are modular, so they can always be configured to accurately match the user’s needs. Based on well-proven principles and technology to ensure complete reliability, Matrix machines incorporate energy-efficient drives and shrink tunnels to minimise both environmental impact and running costs.

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