

The future

ERC Machinery designs and builds innovative machines for processing and packaging produce. These machines are delivered to innumerable customers around the globe, from traditional, quality-conscious processing companies to the largest packaging companies focused on quality, efficiency and capacity.

In over 25 years, ERC Machinery has built up a professional organisation that boasts all of the knowledge and expertise required to meet the wide range of customer requirements. ERC Machinery offers flexible, custom-made solutions for automated processing and packaging, and provides a reliable service and quick delivery worldwide, in collaboration with trusted partners.

ERC Machinery's solutions fit seamlessly into the entire process "from the field to the fork". There are all kinds of produce around the globe, each with its own distinctive characteristics, and consumers all have their own preferences and tastes. ERC Machinery has the know-how to develop and build machines to ensure the best results.

ERC Machinery supplies a large number of machines for building processing lines for onions, potatoes and other produce, such as onion peel robots, presizers, bin/box tippers and fillers, scraper conveyors, bunker systems, tray fillers, big-bag fillers, and of course the Baxmatic packaging machines. It also supplies controls for complete lines and labelling and printing solutions. ERC Machinery provides logistics and packaging solutions for bulk products, such as sugar, peas and pulses, as well as seeds and animal feeds.

To be able to serve customers with the best solutions, ERC Machinery has automated its own design and products to an unparalleled level. The company is constantly investing in the knowledge and skills of its people, partners and customers, and it continues to learn from projects, which are often carried out in collaboration with local partners. With its great drive and no-nonsense approach, ERC Machinery is working towards a healthy future for the processing and packaging of produce.



ERCmachinery

Innovative Technology. Committed People.



ERC Machinery designs and builds innovative machines for processing and packaging produce. The flexible and customised solutions for automating a whole host of activities fit seamlessly into the entire process "from the field to the fork". To be able to provide customers with the best solutions, ERC Machinery is constantly investing in its own design and production processes and in the knowledge and skills of its people, partners and customers.

Baxmatic[®] Fully automated packing

- large capacity
- quick start-up and changes
- high reliability
- great variety of high-quality bags
- professional labels
- straightforward operation
- track & trace
- link to order system
- online support

ERCmachinery

Baxmatic[®] Fully automated packing



Fast
Flexible
Reliable

ERC Machinery
Fabrieksweg 2
8304 AT Emmeloord
The Netherlands
T +31 (0)527 - 256 130
F +31 (0)527 - 619 444
info@ercmachinery.com
www.ercmachinery.com

www.ercmachinery.com

ERCmachinery

Innovative Technology. Committed People.

The concept

A high-quality system, the Baxmatic is an attractive alternative to the current range of labour-intensive filling machines and machines that package automatically from rolls.

Automation

Developments in the produce market and staffing have increased the need for automation at fresh produce processing and packaging companies. They need a large capacity to be able to respond rapidly to market demand, while it is becoming increasingly difficult for them to hire staff in a quick and flexible manner. At the same time, they find themselves faced with increasing quality requirements and stricter health and safety regulations. *The answer to all these developments is automation - for fast, flexible and reliable operations.*

Partnership

The market was in need of a fully automated, high-quality produce packaging solution. Based on its many years of experience in developing and building machines for the fresh produce market, ERC Machinery took on this challenge in association with LC Packaging. Together, they developed the Baxmatic, which provides an optimum solution that combines the knowledge and expertise of processing and packaging a host of products.

All-in-one

The Baxmatic is designed to fully automatically package onions, potatoes, bulk products and related products into gunny, paper, woven, polypropylene and mesh bags. The smart, ergonomic design of the machine allows straightforward and flexible operation that requires little manual work and keeps issues with dust in the environment to a minimum. The Baxmatic comprises a bag cartridge, a filling process and a closing system, forming an all-in-one solution that can be incorporated into a processing line between, for example, a weighing/dispensing unit and a palletiser.

High-quality bags

The Baxmatic uses separate bags that are suspended in the bag cartridge in bundles. Each bag has a top edge fitted with two suspension holes and an air-impermeable strip for vacuum bag processing. In consultation with ERC Machinery, specialised companies develop high-quality bags in all shapes and sizes.

The all-in-one solution

Comprehensive range

ERC Machinery provides advice on optimum processing and packaging solutions that could include the Baxmatic. The Baxmatic comprises a bag cartridge, a filling process, and a closing system, offering various options for streamlining the packaging process further. Straightforward touchscreen operation can be facilitated with so-called recipes, in which machine settings are stored. Other machines in the line can be integrated into Baxmatic operations. ERC Machinery provides extensive support (online and on site) for easy commissioning and efficient operation of the Baxmatic.

Bag cartridge

The bag cartridge has a maximum capacity of 1,000 bags and consists of four sets of pins from which the operator can suspend bundles of bags (25 or 50). The cartridge rotates a quarter turn each time, with one set of pins supplying the bags to the filling process, while the other three sets are ready for refilling, allowing non-stop machine operation.

Filling process

Using a reliable vacuum technique, the Baxmatic can grab a single bag, open it and position it under the filling valve. Sensors check the bag in four places and once it is completely correctly positioned, the Baxmatic starts filling the bag. When in doubt, the machine removes the bag and immediately grabs the next one. The Baxmatic automatically compensates for changes in bag length during filling. After the final bag check, the product is called. A product buffer connected to the previous weighing/dispensing process enhances the reliability and continuity of the filling process.

Closing system

After filling, a grab closes the bag and conveys it to the sewing line without the bag changing mechanisms (so no risk of failure). An industrial sewing machine sews the bag and an automatic cutter cuts the yarn and any band labels. For track & trace purposes, the Baxmatic can print labels with relevant product details, while a link to the order system is also possible. Finally, the Baxmatic conveys the filled and closed bag to a palletiser, for example.

The surplus yield

The Baxmatic gives processing companies the long sought-after solution for the automated packaging of various kinds of fresh produce.

Fully automated system

There are a whole range of advantages to the high degree of automation:

- > less dependence on available manpower
- > lower (wage) costs
- > quicker production start-up
- > larger capacity
- > enhanced reliability
- > better working conditions
- > easier operation
- > track & trace
- > link to order system
- > online support
- > and many options

High-quality packaging

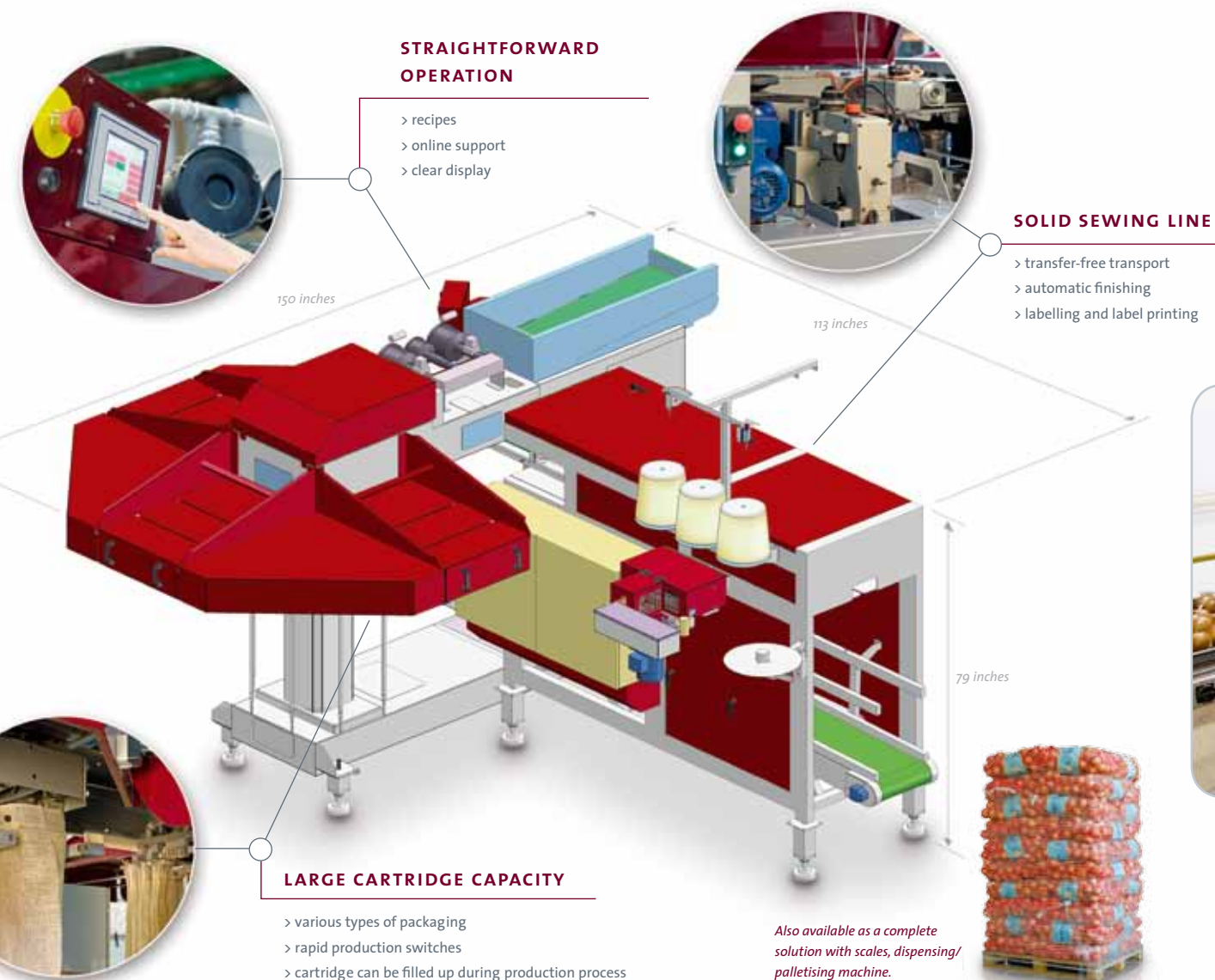
The innovative bag processing solution provides numerous options:

- > a high quality and attractive appearance
- > a large cartridge capacity for non-stop process
- > various types of packaging
- > quick changes in production
- > professional labels

High standard

For the Baxmatic, ERC Machinery naturally maintains the high standard that has been developed for the entire range over the years:

- > high quality
- > fair price
- > tailored advice
- > knowledge of the entire processing process
- > collaboration with local partners
- > fast delivery
- > reliable service



The Baxmatic can handle different types of bags (for 2.5 kg to 50 kg of product), such as:

Options

At the customer's request, ERC Machinery can add various options, such as:

- > the use of drawstring bags;
- > solutions for bagging or sealing;
- > special models:
 - explosion-proof (ATEX);
 - food grade (stainless steel or special coating).



Mesh bags for onions



Gunnies for potatoes



Paper bags for potatoes



Woven polypropylene bags for bulk products



Fast
Flexible
Reliable

Baxmatic®
Fully automated packing