

Simple Integration



The agricultural sector and the food processing industry feel the need for improvements to maintain progressive efficiency. After all, the need for cost effectiveness continues while quality requirements increase, labor regulations are tightened, and the number of qualified employees decreases. This calls for high-quality and efficient total solutions for processing, weighing and packaging bulbous and tuberous plants and other bulk products.

Customized Solution

ERC's weighing and packaging solutions can be easily integrated into a complete processing line. The list of possibilities is endless, and where necessary, machines from third parties can be integrated. ERC offers a customized solution for every specific situation.

Integrating an ERC round-head combination weigher with the Baxmatic packaging machine results in a high capacity and maximum automation of the process.



More options

Integrating an ERC round-head combination weigher with one or several small packaging machines is the perfect solution for packaging small quantities of product (up to 5kg / 10lbs).

Integrating an ERC bulk weigher with the Baxmatic packaging machine enables complete automatic processing of bulk products.



ERCmachinery

Innovative Technology. Committed People.

ERC Machinery designs and builds innovative machines for processing, weighing, and/or packing bulbous and tuberous plants and other loose produce. ERC offers flexible systems and customized machines to primary producers and industrial processors for the automation of a wide range of production processes. Working together with customers, the ultimate goal is to provide the best solutions for improving the efficiency of the customer's production processes and the quality of their products. With this goal in mind, ERC continuously invests in its in-house R&D, its in-house design and production processes, and the knowledge and skills of its people, partners and customers.

The Total Package of Weighing Solutions

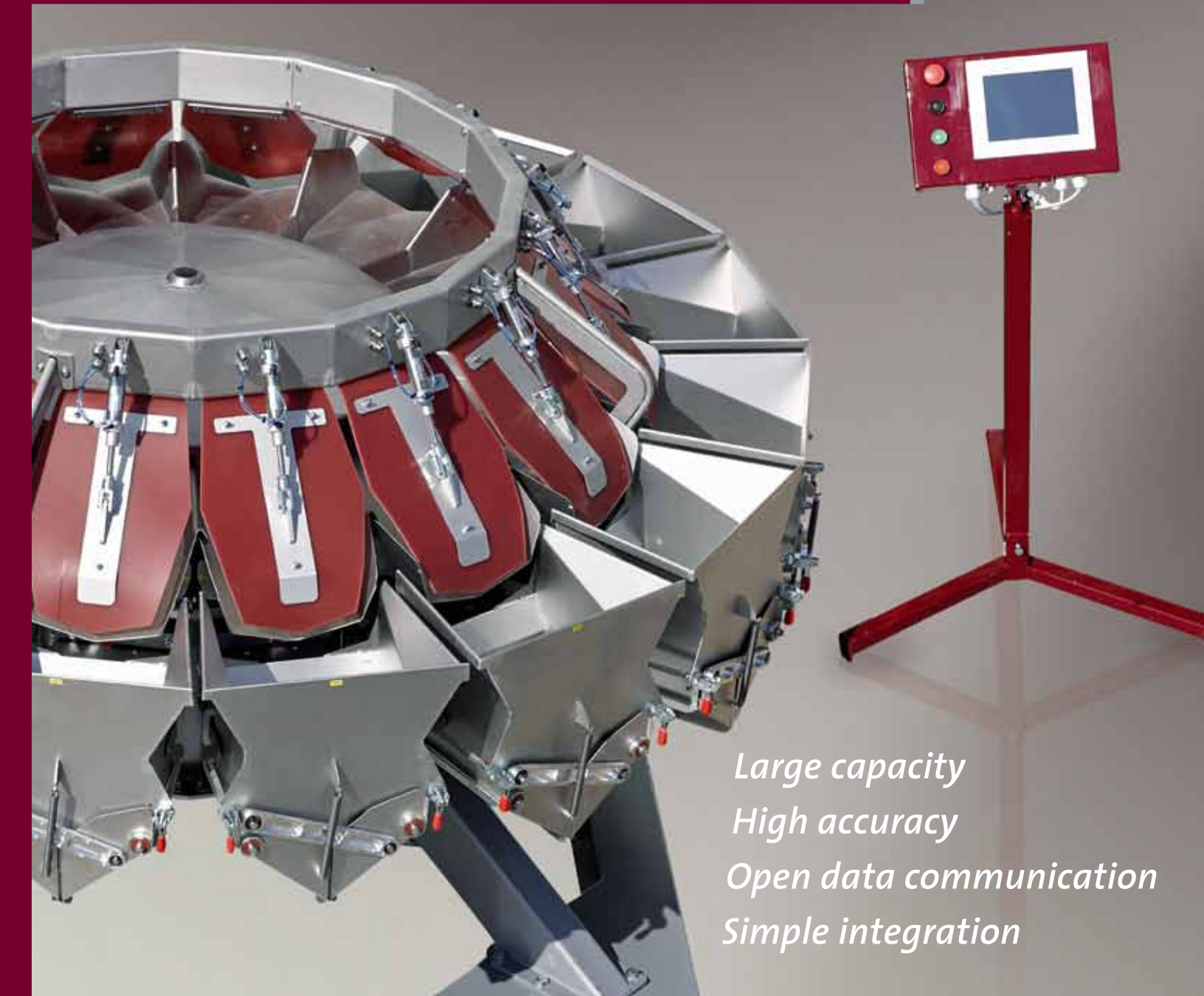
- Round-head-combination weighers
- Customer-specific combination weighers
- Bulk/bulk product weighers
- Checkweighers
- Dynamic weighers
- System integration (product flow and information flow)
- Service
- Innovative capacity

Offices Worldwide

ERC Machinery delivers directly to customers worldwide, and also has a network of partners, dealers and agents. ERC Machinery provides extensive support and services, both online and on site.

ERCmachinery

Complete weighing solutions



*Large capacity
High accuracy
Open data communication
Simple integration*

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

www.ercmachinery.com

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The art of weighing



In grading and packaging lines, it is the weighing that largely determines the processing capacity and the degree of automation. The weigher is an essential part of a line, and the weighing solution chosen is a key to the success of every automation project. ERC Machinery has made its mark by developing and building machines and complete processing lines for bulbous and tuberous plants and bulk products. In line with this, ERC offers a full range of weighing solutions.

Several Weighing Functions

- Weighing products for packaging
- Checking the weight of filled containers
- Dosing products for further processing in production
- Regulating the product flow

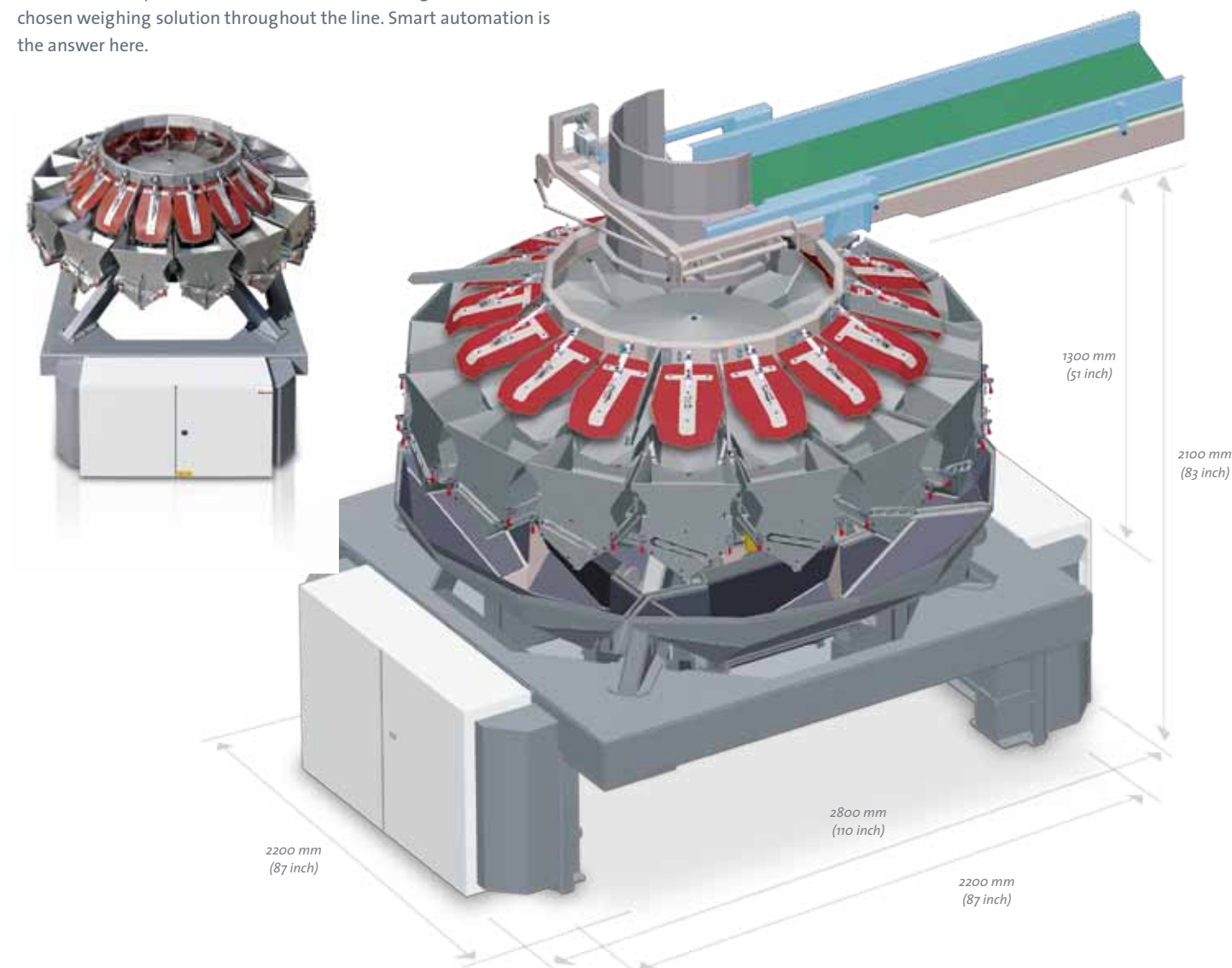
High-Quality Technology

Users want to be able to weigh fast and accurately. ERC enables this by combining precise mechanical technology with high-quality technology for measuring and control engineering. Maximum use of capacity requires operations and maintenance to be user-friendly, as well as a fast product switch and a seamless integration of the chosen weighing solution throughout the line. Smart automation is the answer here.

Suitable Solution

ERC approaches weighing technology from a broad technological point of view, and as such, is able to provide all its customers with a suitable solution:

- Round-head combination weighers, developed for a large processing capacity, a high degree of automation and a simple integration
- Bulk weighers for bulk products
- Checkweighers
- Dynamic weighers



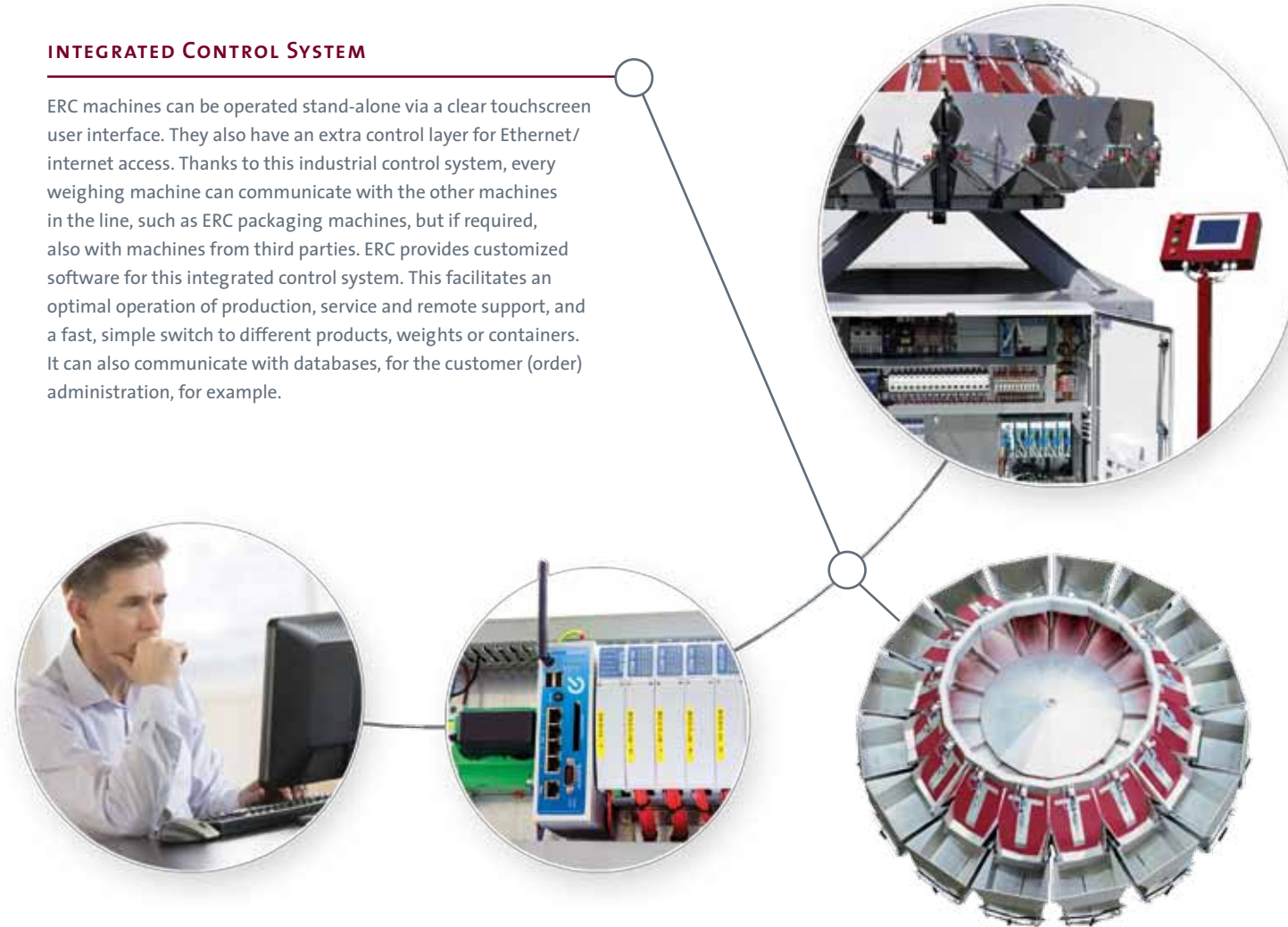
Round-Head Combination Weigher



Based on customer requests and in-house R&D, ERC Machinery has developed a unique round-head combination weigher. This weigher combines efficiency, speed and flexibility with accuracy, reliability and user-friendliness. A combination weigher facilitates the filling of multiple weigh bins in one unloading run; this principle means that the desired filling weight can be reached with extreme accuracy. The symmetrical round-head design has various advantages in terms of use and maintenance.

INTEGRATED CONTROL SYSTEM

ERC machines can be operated stand-alone via a clear touchscreen user interface. They also have an extra control layer for Ethernet/internet access. Thanks to this industrial control system, every weighing machine can communicate with the other machines in the line, such as ERC packaging machines, but if required, also with machines from third parties. ERC provides customized software for this integrated control system. This facilitates an optimal operation of production, service and remote support, and a fast, simple switch to different products, weights or containers. It can also communicate with databases, for the customer (order) administration, for example.



Unique Product Transport



The ERC round-head combination weigher is also different from other weighing solutions because of the way it transports products after weighing. When combined with a packaging machine, the symmetrical product transport, directly below the weigher, leaves a favourable footprint. The transport funnel has a unique buffer to prevent the product from falling. The funnel can be fitted with belts to further transport fragile products in a controlled manner.

Capacity

- Large bins for a weighing range of 0.5 to 25+ kg (1 to 50+ lbs) for each unloading run
- Capacity of over 1,500 large or 4,000 smaller packaging sizes an hour
- 12 and 16-bin design
- Optional supply via belts instead of vibrating pipe troughs
- Simultaneous filling, weighing and unloading of different weigh bins

Symmetrical Set-up

- Compact supply and transport
- Symmetrical product supply to all weigh bins for optimal filling
- Product supply from every corner is possible
- Simultaneous product supply for fast weighing and unloading

Cleaning and Maintenance

- All technical parts (vibrating troughs and weigh bins) are easily accessible
- Weigh bins can be detached and switched quickly
- Hinges in the weigh bins have closed ball bearings

Integration

- Robust industrial control system
- Ethernet/internet communication for operating, servicing, logging information and sharing information with other machines in the line
- Seamless integration of labelling and tagging

Complete weighing solutions

