

AccuSizer™ Belt Grader Systems



Making the grade in precision and productivity.

Productivity and precision in a “class” all its own.

AccuSizer™ belt grader systems from Cantrell•Gainco feature an ingenious combination of user-friendly interfaces, advanced weighing technology and robust, rugged platforms.

Our AccuSizer belt grader systems use the latest load cell technology to provide the highest levels of weight accuracy and speed available in the industry today. They feature sizing speeds up to 180 portions per minute.

The Power of Information

Intelligent as well as well-performing, our equipment gives you the information you need to manage your belt grading operations with skill and ease.

- B&R® touchscreen interface with graphical displays are easy to understand and to navigate.



System features include the latest web-based integrated B&R® control and monitoring capabilities, along with IP69K-rated enclosures for the ultimate in washdown protection and reliable operation.

- You have the ability to control each bin by individual piece weight range, count, batch size, or any other parameters.

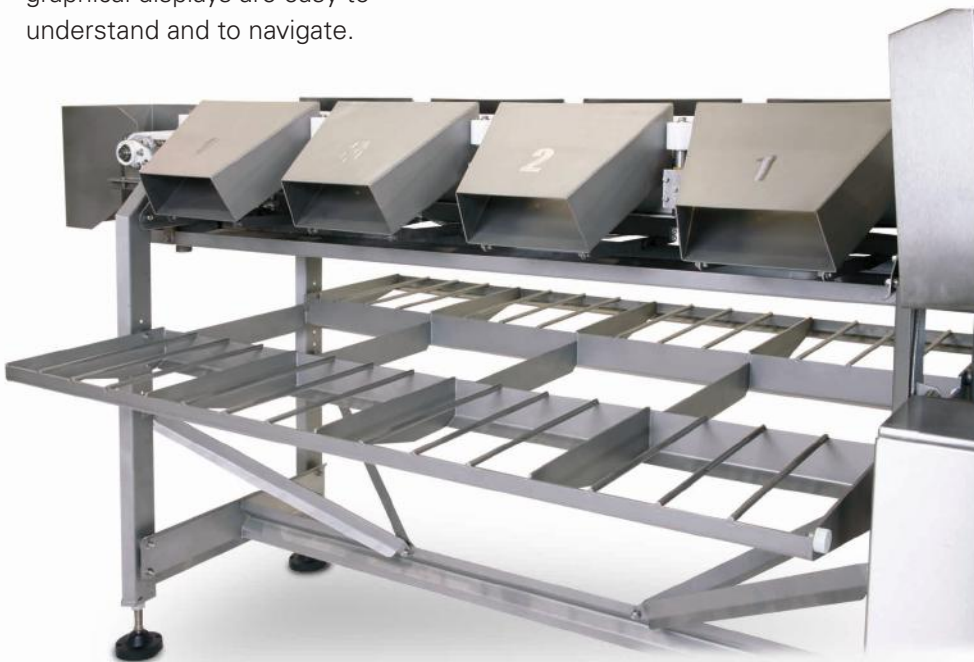
AccuSizer belt grader systems can also be linked to a computer using our reporting software, accessible on your plant network, which provides operators

Advantages and Benefits

- Gentle handling of product
- Customizable output
- Real-time process reporting
- Maintenance-friendly ... easy accessibility for service
- Compatible with Marel systems

Features

- Heavy-duty construction
- Single and dual lane conveyors available, along with configurable quad lane conveyors
- Smaller footprint with bin location flexibility
- Distributed outfeed
- AMI sanitary design
- Data connectivity
- Fully integrates with optional proprietary data management software program



Outfeed features of AccuSizer™ belt graders include a rugged, hygienic frame structure.



and management with a continuous stream of real-time data. Standard or custom reports can be generated with data from multiple systems.

Design details make the difference.

It's the little design details that make AccuSizer™ belt grader systems run so accurately and perform so well:

- A state-of-the-art B&R® integrated machine control package is user-friendly, flexible, and designed to last.
- The B&R control processor allows for the highest levels of diagnostics and equipment operation available. An optional web-based reporting package enables remote access to system data.
- Rugged load cells are designed to withstand the harsh rigors of poultry processing operations. They deliver advanced speed, precision, and data communication capabilities.
- Accurate counting is assured via the use of laser sensors for faster product detection prior to weighing – thus preventing “false weighs” from occurring.
- An auto-tare feature ensures weighing accuracy by continuously updating the weigh belt tare weight to compensate for scrap buildup on the belt links. Special proprietary “auto-zero” software fine-tunes weighing accuracy by automatically compensating for load cell drift, as well as any scrap buildup on the weigh deck.

Equipment Design and Diversity

Our modular system design uses standardized, easily-replaceable components. Other design features and options include:

- Multiple bin configurations to tailor your bin design for the precise needs of your processing line
- A customizable outfeed design that allows the system to match your particular plant configurations
- Dual-lane configurations for high-volume applications
- InterSystems® control to manage multiple lanes using a single controller

Diverse poultry applications handled by AccuSizer™ belt grader systems include:

- Whole birds and front halves
- Boneless breasts – butterflies and fillets
- Tenders
- Wings
- Leg quarters and whole legs
- Thighs
- Whole turkeys
- Turkey lobes
- Turkey tenders
- Turkey drums

The equipment can also process other meat products such as hams.



Chutes on AccuSizer™ belt graders utilize captive hinges for complete access to the belt frame, improving sanitation and making set-up and pre-op inspections a breeze.

Built tough for tough environments.

AccuSizer™ belt grade systems are engineered to withstand all the shocks and hard knocks of daily operations in poultry processing plants – at the same time providing complete protection during high-pressure chemical washdowns. Just look at all the ways Cantrell•Gainco has engineered more functionality, durability and longevity into every AccuSizer belt grader unit:



AccuSizer™ belt graders are engineered to meet and exceed AMI sanitary requirements for easy cleaning – including incorporating stand-off and spacing elements in the design of equipment frames.

- The IP69K-rated touchscreen controller is designed to withstand the harshest production and sanitation environments.
- The IP69K-rated touchscreen controller is designed to withstand the harshest production and sanitation environments.
- The hygienic open-frame design in the food contact area improves the effectiveness of washdown procedures while preventing water from pooling and bacteria from collecting.
- Infeed, weighing and outfeed units are designed for easy access for cleaning and maintenance checks.
- Newly redesigned pivoting outfeed chutes improve cleanability and servicing.
- All electronics are housed in a highly protective IP69K-rated enclosure designed for easy cleaning, while also being easily accessible.
- Optional internet or dial-up connections allow for remote servicing of the belt sizer unit while in operation.

| Product Selector Information | Single Lane | | | | | Dual Lane | | | | |
|--|-------------|------|------|------|------|-----------|------|------|------|------|
| | 9" | 12" | 15" | 18" | 24" | 9" | 12" | 15" | 18" | 24" |
| Model Number | 2500 | 2503 | 2506 | 2504 | 2505 | 2507 | 2508 | 2511 | 2509 | 2510 |
| Rate (units per minute)* | 180 | 140 | 120 | 100 | 50 | 360 | 280 | 240 | 200 | 100 |
| Spacing Conveyor | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weigh Deck | | | | | | | | | | |
| Laser Product Detect Sensor | S | S | S | S | S | S | S | S | S | S |
| Beltlink Tracking | S | S | S | S | S | S | S | S | S | S |
| Modular Belting | S | S | S | S | S | S | S | S | S | S |
| OutFeed | | | | | | | | | | |
| Modular Belting | S | S | S | S | S | S | S | S | S | S |
| Laser Optic Product Detect Sensor | S | S | S | S | S | S | S | S | S | S |
| Take-Off Arms | S | S | S | S | S | S | S | S | S | S |
| Controls | | | | | | | | | | |
| B&R® Integrated Machine Control Pkg. | S | S | S | S | S | S | S | S | S | S |
| Remote (office-based) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lockout | S | S | S | S | S | S | S | S | S | S |
| Software | | | | | | | | | | |
| Custom Reporting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Accessories | | | | | | | | | | |
| Singulation and Positive Spacing Infeeds | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

*Dependant upon proper singulation and spacing. Note: s = standard; o = optional.



▶ Success you can measure.™



Gainesville, GA USA | toll-free: 800.467.2828 | p: 770.534.0703 | info@cantrellgainco.com | cantrellgainco.com

AccuSizer is trademarks of Cantrell•Gainco Group. B&R is a registered trademark of Bernecker + Rainer Industrie-Elektronik Ges.m.b.H. InterSystems is a registered trademark of InterSystems Corporation. ©2020 Cantrell•Gainco Group. All rights reserved.