

Checkweighers



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DARTRONICS, INC.
PACKAGING AUTOMATION SPECIALISTS

C-Series Checkweighers

Global Solutions

Adapting to Your Needs

Future-Proof Investment

HI-SPEED

Checkweighing



C-Series

High Performance Checkweighing Solutions

METTLER TOLEDO

C-Series Checkweighers

Your Business is Our Commitment

The C-Series with its product lines – StandardLine, PlusLine and AdvancedLine represents the very best in weighing technology. Benefits across all lines:

- ✓ Industry 4.0 enabled*
- ✓ Global regulatory compliance
- ✓ Similar equipment design with shared spare parts
- ✓ Easy and intuitive operation
- ✓ Tailored to daily production challenges
- ✓ Combination with metal detection technology

This unique modular approach provides an extremely flexible platform on which to build a solution for any in-line production weighing challenge for example in the food, pharmaceutical and chemical industries. In addition the C-Series checkweighers can be combined with metal detection technologies to create complete multi-inspection solutions within a minimal footprint.

Global Solutions	Adapting to Your Needs	Future-proof Investment
 <ul style="list-style-type: none"> • All checkweighers and combination systems are available worldwide • Complies with global food safety and pharmaceutical standards, laws and regulations • Supported by a worldwide service network 	 <ul style="list-style-type: none"> • Up to 250 different software and product handling options are readily available in the standard option portfolio • A wide choice of component materials including high quality stainless steel and specialized conveyors for optimal performance in wet, dry and harsh production environment 	 <ul style="list-style-type: none"> • More than ten data communication protocols including Ethernet, Fieldbus and OPC technologies for seamless integration into data networks • High modularity allows upgrades to keep up with changes in production processes, package types and technology advances • Supports Industry 4.0 and Industrial Internet of Things (IIoT) integration programs

* Data transfer to external systems by using more than ten communication protocols e.g. Profinet, Profibus DP, DeviceNet, OPC DA/UA, Ethernet TCP/IP

Built for Simple to Complex Challenges

Weighing Capacities from 3 g to 10 kg

The C-Series is designed to easily manage every application scenario from simple to the most demanding and complex. This helps manufacturers to greatly improve production line efficiency and overall equipment effectiveness (OEE), increase product quality and protect their brand.



C31 StandardLine

Dependable Accuracy

- Highly configurable for standard weighing applications
- Very versatile for demanding environments
- Data collection to support compliance

C33 PlusLine

Robust Performance

- Highly customizable for complicated and precise applications
- High performance in challenging environments
- Data collection to support compliance

C35 AdvancedLine

Precision & Versatility

- Fully customizable for complex and precision applications
- Unparalleled performance in challenging environments
- Data collection to support compliance
- Enhances production line performance, uptime, availability and quality

CM31 | 33 | 35

Combination Systems

C-Series checkweighers combined with advanced Safeline metal detectors:

The C-Series is available as a combination system with a choice of metal detectors to ensure that smaller footprints are achieved. Combination systems offer complete inspection solutions for best possible quality and to safeguard brand reputation. Due diligence options make them ideal as a Critical Control Point.

Large choice of metal detection heads depending on checkweigher model: Profile LS Combi, PowerPhasePRO, Profile Advantage

Weighing Range*
Accuracy**
Throughput**
Selectable Options***
Standard Screen Data

20 g - 6,000 g

± 0.5 g (500 mg)

≤ 200 ppm

Up to 100

7 inch

7 g - 7,500 g

± 0.05 g (50 mg)

≤ 300 ppm

Up to 200

12 inch

3 g - 10,000 g

± 0.01 g (10 mg)

≤ 600 ppm

Up to 250

15 inch

* Dependent on product (article) weight and the design and dimensions of the weighing conveyor being used

** Within official margins of error, depending on weight, dimensions and characteristics of the product being weighed

*** Less options for checkweigher combination systems dependent on configurability and compatibility

Keep Your Production Running

Service that You Can Rely on

METTLER TOLEDO Service is always somewhere close to you. Our global service network supports your checkweigher and other product inspection equipment throughout its entire lifecycle. This helps you to keep your competitive edge over rivals and maximizes your overall equipment effectiveness (OEE).



Enhance Production Line Performance

ProdX™ Data Management Software

ProdX allows you to connect and control your entire product inspection management process from a single point or from multiple remote locations, eliminating the need for time-consuming production line patrols. The software reads data from product inspection equipment such as automatic checkweighers, metal detectors, x-ray and vision inspection systems and captures the relevant production data.



It provides full traceability of production, real-time monitoring of Critical Control Points (CCP), easy data export and centralizes product parameter management. ProdX is a key element for producers to achieve transparency of plant activities.

For more information

www.dartronics.com/checkweigher-solutions/

Dartronics, Inc.
150 William Street
Perth Amboy, NJ 08861
USA

Tel: (732) 324-0800
Fax: (732) 324-4488
Email: sales@dartronics.com



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