# C23 PlusLine
## Scalable Weighing Solution



### C23 PlusLine Checkweigher
**This compact, easy to operate checkweigher is designed for high accuracy weight control of heavy loads up to 80 kg and can be configured to different application needs in challenging environments.**

**Configurable to Customer Needs**
The modular design offers full configurability including the mechanical design, software functionality and data communication.

**Weighing Performance Options**
Choice of standard or high performance load cells available to match your application and accuracy requirements.

**Choices for Challenging Environments**
Designed for endurance and maximum reliability in a variety of dry, dusty or wet environments with an IP54 or IP65 rating.

**METTLER TOLEDO**

### Reliable Weighing Technology

The strain gauge technology offers a robust, reliable, and scalable performance according to your application requirements.

### Meets MID Requirements

Delivers high accuracy in line with MID requirements, providing quality assurance and reducing costly product waste.

### Robust Design

Stainless steel frame design offers increased stability for end of line heavy loads up to 80 kg.

### Connectivity Options

Over 10 different interface / protocol combinations including Ethernet, Fieldbus and OPC technologies enable IoT / Industry 4.0 initiatives so that production data can be accessed, analyzed and controlled anytime and anywhere.

### Intuitive Operation

The system supports intuitive operation in over 30 languages via the 12" color touchscreen positioned in front of the conveyor for ease of use. Machine messages are communicated as clear text for easy understanding.

### Global Service Support

A global network of service experts provides fast remote and on-site support. Our comprehensive service offering supports regulatory compliance, high performance and maximum uptime throughout the life cycle of your product inspection equipment.

## Options and Accessories

### Electronics/Software

- Automatic filling process optimization, by readjusting up to 3 individual filling machines/ fill heads controller, to minimize giveaway
- Automatic product changeover by scanner or binary coded contacts
- Data interfaces and protocols e.g. Fieldbus (DeviceNet, Industrial Ethernet/IP, PROFINET, PROFIBUS), OPC DA and UA, serial communication (RS232/ 422/ 485)
- Monitoring and alarm options e.g. back-up detection and successive errors detection as well as color-coded and/or acoustic signaling devices to allow immediate reaction to production line problems

- Interface to the METTLER TOLEDO statistical quality control system FreeWeigh.Net™ or ProdX™ data management system – for remote access and enhanced insight in production processes
- Extensive statistical functions
- Control panel (enclosure) in compliance with UL508A
- Special voltages on request
- Input contact for metal detector

### Mechanical/Electromechanical

- Infeed conveyors, outfeed conveyors, roller paths
- Guide rails
- HMI mounted separately (on a pillar or wall) for optimal usability

- Rejecting equipment e.g. pusher, two-way roller path to ensure efficient removal of rejected products
- Increased water ingress protection

### Optional Metal Detection

- **Compact Critical Control Point** – Effectively detects metal contaminants and provides reliable weight control in one system.
- **Space-Saving System Design** – Small metal-free zone and load cells enable simultaneous weighing and metal detection on a single conveyor.
- **Innovative Conveyor Belt** – The quick-release mechanisms on the conveyor belt support easy changes within minutes, reducing service downtime.
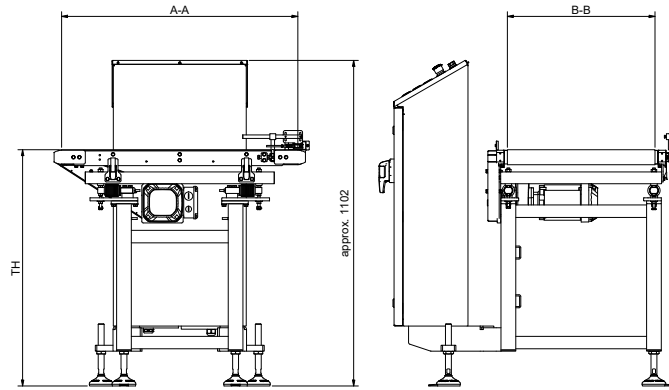
Example of the CM2 Combination

## Do You Want to Learn More?

▶ **www.mt.com/pi-cm2**

# C23 PlusLine



**Typical dimensions in mm (A-A, B-B vary depending on conveyor size)**

| Technical Details | System 47 | System 80 |
|---|---|---|
| Approval no. (DE) | DE-17-MI006-PTB006 - Weights & Measures design approval for official verification (MID certifiable) | |
| Weighing technology | Strain gauge technology | |
| HMI | 7" or 12" color touchscreen TFT display, with emergency stop switch, individual user access profiles with password protection, more than 30 selectable languages for the dialog/prompts; display of all key up-to-date weight data, production and configuration screens as well as Weights and Measures information; tare weight functionality, real-time data capture and distribution | |
| Weighing range* | up to 35 kg | up to 80 kg |
| Accuracy** | from ± 5 g to ± 10 g | |
| Throughput** (weighings/minute) | max. 150 | max. 150 |
| Max. conveyor speed | 90 m/minute | 150 m/minute |
| Distance between roller centres (A-A) | 500, 600, 800, 1000 mm | 1000, 1200, 1500, 1700 mm |
| Conveyor width (B-B) | 300, 400, 500, 600 mm | 500, 600, 700, 800, 900, 950, 1000, 1100mm |
| Roller diameter | 47 mm | 80 mm |
| Maximum product width | 600 mm | 1000 mm |
| Line height (TH), other heights on enquiry | 280 - 1800 mm (± 50 mm) | |
| Product (article) setup memory | for up to 200 products | |
| Classification | up to 7 weight zones | |
| Zero reset | automatic or manual | |
| Signals and contacts | Reject control signal for reject devices; contact for over max. weight and under min. weight | |
| Electrical (with lockable mains disconnect) | 110/230 VAC, single-phase, 50/60 Hz, N, PE,≥ 1200 VA | |
| Hygienic Requirement | wipe down (≤IP54); low pressure (IP65) | |
| Standard surface finish | brushed 304 (SAE) / 1.4301 (EU) stainless steel | |

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

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

**www.mt.com/checkweighing**

For more information