

C33 PlusLine

Versatile, Efficient Checkweighing



C33 PlusLine Checkweigher

Flexible mid-level checkweigher for standard weighing applications featuring advanced FlashCell™ EMFR technology. Achieve high accuracy at throughputs up to 350 ppm for food and non-food applications in dry, wet and harsh environments.

Efficiency Driven by Performance

Standardized, configurable options and open customization possibilities offer versatility to adapt to a wide range of applications.

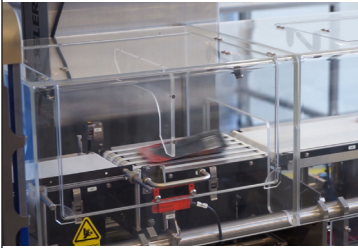
Advanced Integration Options

Available as a space saving combination system with metal detection or vision inspection technology.

Approved for all environments

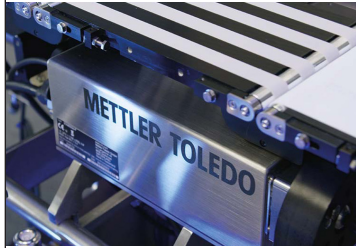
The standardized, modular design with IP54, IP65 or IP69 rating delivers reliability and performance in dry, wet or harsh production environments.

Conveyor Types



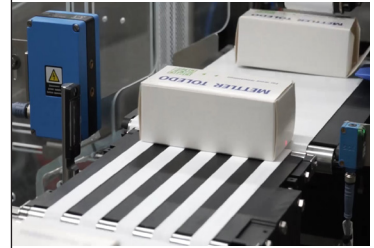
A choice of conveyors are available for dry, wet or harsh environments, lightweight or small products, and granular or heavy duty applications.

Weighing Technology



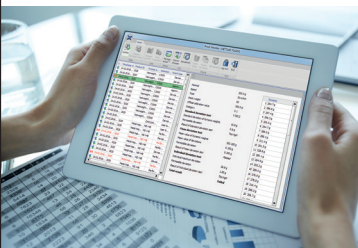
The high performance EMFR load cell with FlashCell™ technology delivers exceptional accuracy at high throughputs. Optional Measurement Instruments Directive (MID) certification helps to comply with local weighing regulations and reduces costly product waste.

Control Options



A wide range of different control and monitoring options supporting line efficiency and quality, e.g. detection of open / skewed packages or line back up detection.

Data Governance



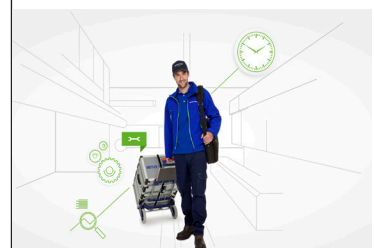
Over 10 different interface / protocols combinations including Ethernet, Fieldbus and OPC technologies enable IoT / Industry 4.0 initiatives so that production data can be accessed, analyzed and controlled anytime and anywhere.

Intuitive Operation



The system supports intuitive operation in over 30 languages via the 12 inch 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



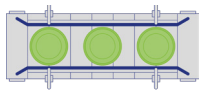
A global network of service experts provide fast remote and on-site support. Our comprehensive service supports regulatory compliance, high performance, and maximum uptime throughout the lifecycle of your product inspection equipment.

Product Handling Options

Achieve maximum process and equipment efficiency through transition, transport, stability and sorting options for any packaging format:

- The C33 offers a wide range of transfer solutions, including small roller diameters on a standard conveyor, and side, top and bottom belts. This ensures smooth product transport between customer equipment and the checkweigher even for challenging applications
- With up to three spacing conveyors, sidegrip conveyors or timing starwheels, the C33 provides options to optimize the required product spacing and transfer
- Several spacing options e.g. starwheels or up to five spacing conveyors help to ensure the correct spacing for the weighing process for optimum results
- Several further options are available to guide or align products with even challenging shapes or materials

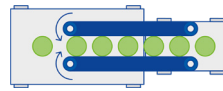
Examples:



Guide rails



Spacing conveyor



Side grip conveyor



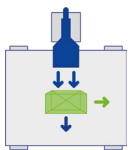
Timing screw

Sorting Options

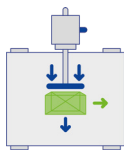
With a wide range of product sorting options and rejecting devices, regardless of your process challenges, our checkweighing sorting systems are able to handle packed or unpacked products:

- Multiple sorting solutions for products from light to heavy weight, from carton to flow pack, from bag to can/bottle or even more, the C33 offers an application-specific sorting device
- The sorting direction can vary by the different sorting devices between front / rear, drop down or multi-lane depending on customer requirements and lane layout

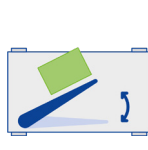
Examples:



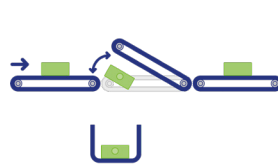
Airjet rejector



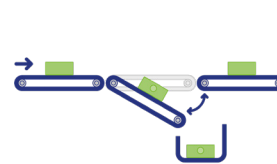
Pusher



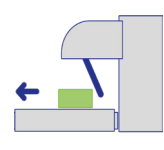
Swing gate



Lift up conveyor



Drop-down conveyor



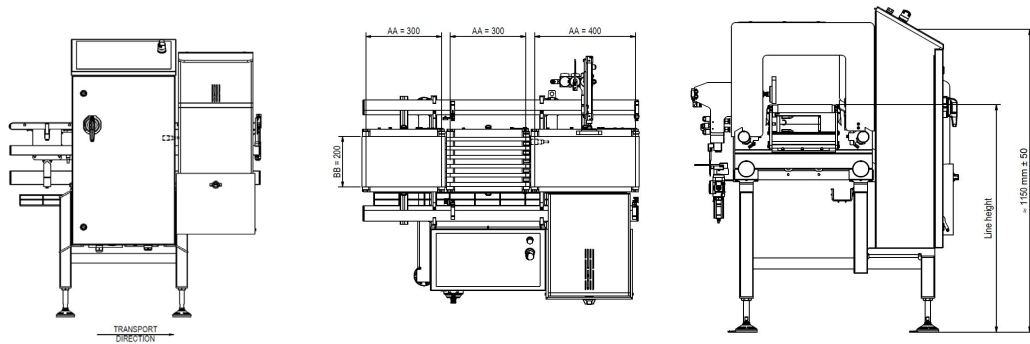
Servo sorting

Software Options

- Extensive reporting functions (e.g. statistical and counter reports, statistical process control)
- Several different options are available to control, optimize and supervise filling processes
- Audit Trail data and Authorized Acknowledgments of critical alarms support the customer to fulfill requirements according to CFR 21 Part 11 and IFS 6
- Interface to the METTLER TOLEDO ProX™ data management software for remote access and enhanced insight in production processes for all METTLER TOLEDO Product Inspection devices on the production line

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

Technical Details	C33 PlusLine
Weighing terminal (HMI)	12 inch or 7 inch color touchscreen
Weighing range*	7 g - 7,500 g
Weighing technology	Electromagnetic force restoration (EMFR) or strain gauge load cell
Approval	Weights & Measures design approval for official verification (MID certifiable)
Accuracy**	from ± 0.05 g (50 mg)
Throughput**	max. 350 ppm
Infeed/outfeed conveyor length (A-A) range***	250 - 1,800 mm (distance between roller centers)
Infeed/outfeed conveyor width (B-B) range****	120 - 400 mm
Weighing conveyor length (A-A) range***	150 - 600 mm (distance between roller centers)
Weighing conveyor width (B-B) range****	120 - 400 mm
Line Height (LH), other heights on enquiry	550 - 1,100 mm (± 50 mm)
Product (article) setup memory	for up to 400 products
Classification	in 5 weight zones
Power supply (with lockable mains disconnect)	110/230 VAC, single-phase, 50/60 Hz, 750 VA - 1 kVA
Compressed air supply	approx. 6 bars (87 p.s.i.)
Environment	IP54, optional IP65 (water protected) or IP69 (washdown)

* 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 transport characteristics of the product being weighed

*** A-A means distance between roller centers

**** B-B means conveyor belt width

Combination solutions with:



Metal Detection



Vision Inspection



Mettler-Toledo Group

Product Inspection Division

Local contact: www.mt.com/contacts



Subject to technical changes.

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For more information