

C35 AdvancedLine

High Performance Checkweighing



C35 AdvancedLine Checkweigher

High performance checkweigher suitable for challenging weighing applications. Advanced FlashCell™ EMFR technology delivers excellent accuracy at throughputs up to 800 ppm. The modular design offers customization to effectively handle any package type.

Performance Excellence

The system's flexible design supports all product sizes and weighing challenges with enhanced precision at fast throughputs.

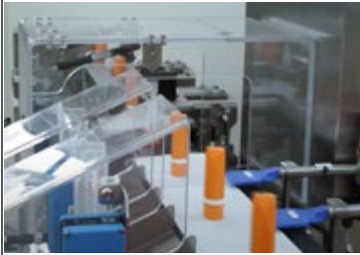
Software and Control Excellence

Exceptional process optimization with a wide range of standard and customizable software enhancements and control options.

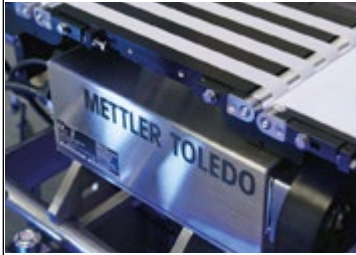
Product Handling Excellence

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

METTLER TOLEDO

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, reducing costly product waste. Optional Measurement Instruments Directive (MID) certification helps to comply with regulations.

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 / 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 15 inch color touchscreen offers individual user access profiles with password protection. Easily view key weight, production and configuration data in over 30 languages.

Global Service Support

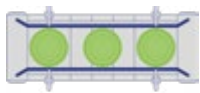
A global network of service experts provides fast remote and on-site support. Our comprehensive service offering supports regulatory compliance, high performance and maximum uptime throughout the life cycle of your product inspection equipment.

Product Handling Options

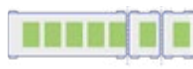
Achieve outstanding process stability and equipment efficiency through transition, transport, stability and sorting options for any packaging format:

- Achieve smooth product transport between customer equipment and the checkweigher for challenging applications with options such as small roller diameters for conveyors, side grips or top and bottom belts
- A wide range of spacing options such as timing screws, starwheels or spacing conveyors support correct product spacing for the weighing process for optimum results
- Several other options are available to guide or align products with challenging shapes or materials

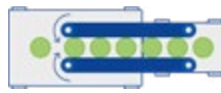
Examples:



Guide rails



Spacing conveyor



Side grip conveyor



Star wheel



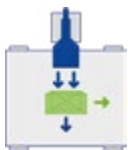
Timing screw

Sorting Options

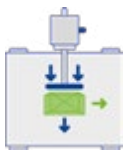
With a wide range of product sorting options and rejecting devices, regardless of your process challenges, our checkweighing sorting systems are able to handle all packed or unpacked products:

- Multiple sorting solutions for products from light to heavy weight, from carton to flow pack, from bag to can, bottle or unpacked goods, the C35 offers the right sorting device
- The sorting direction can vary for the different sorting devices between front / rear, drop down or multi-lane

Examples:



Airjet rejector



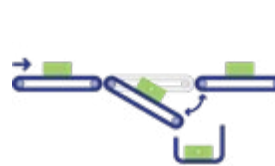
Pusher



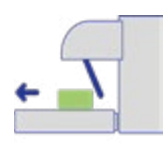
Swing gate



Lift up conveyor



Drop-down conveyor



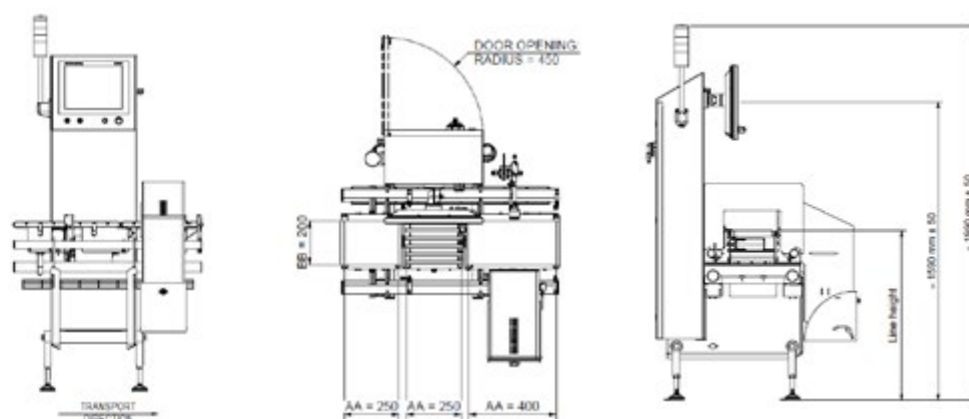
Servo sorting

Software Options

- Extensive reporting functions (e.g. statistical and counter reports, statistical process control)
- 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 with the METTLER TOLEDO ProdX™ data management system for remote access and enhanced insight in production processes
- Industry 4.0 readiness with UPC UA and Fieldbus integration

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

Technical Details

C35 AdvancedLine

Weighing terminal (HMI)	15 inch color touchscreen
Weighing range*	3 g - 10,000 g
Weighing technology	Electromagnetic force restoration (EMFR) load cell
Approval	Weights & Measures design approval for official verification (MID certifiable)
Accuracy**	from ± 0.01 g (10 mg)
Throughput**	max. 800 ppm
Infeed/outfeed conveyor length (A-A) range***	250 - 1,800 mm (distance between roller centers)
Infeed/outfeed conveyor width (B-B) range****	60 - 400 mm
Weighing conveyor length (A-A) range***	150 - 600 mm (distance between roller centers)
Weighing conveyor width (B-B) range****	60 - 400 mm
Line Height (LH), other heights on enquiry	550 - 1,500 mm (± 50 mm)
Product (article) setup memory	for up to 400 products
Classification	in 7 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



X-ray Inspection



Track & Trace