

C35 AdvancedLine Precision and Versatility



Customized Product Handling

Fully customizable with 250 performance and productivity enhancing options. Product handling variants include sidegrip conveyors, top and bottom conveyors, infeed timing screws and starwheels to ensure smooth product flow.



Unparalleled in Challenging Environments

Designed for endurance and maximum reliability to perform in wet, dry and harsh working environments. Specialized conveyors are designed to match applications and production conditions.



Data Collection to Support Compliance

More than ten data communication protocols including Ethernet, Fieldbus and OPC technologies to provide the fullest suite of data collection tools available. Supports Industry 4.0 integration projects.



Integrated Inspection Technologies

Available as a combination system with a choice of different product inspection technologies to ensure that smaller footprints are achieved. Ideal as Critical Control Point for best quality and safeguarding brand reputation.



Global Service Support

An extensive global service network fully supports cross-border contracts and ensures timely support, availability, and rapid delivery of spare parts. This reduces downtime and keeps production running smoothly.



C35 AdvancedLine Maximum Efficiency and Flexibility

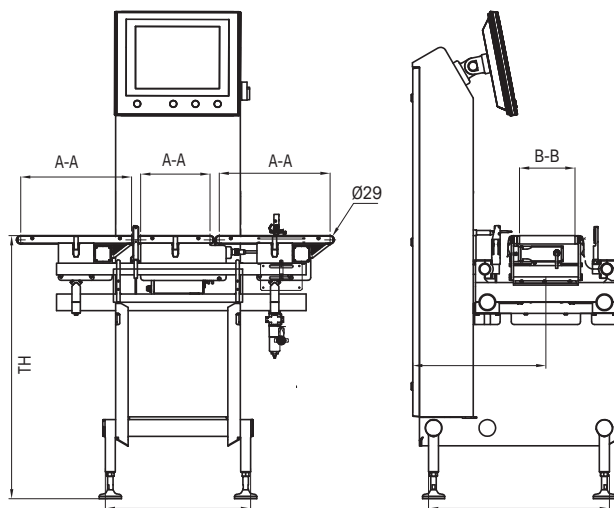
A throughput of up to 600 packs per minute, a weighing range from 3 g to 10 kg and extremely high weighing accuracy positions the C35 AdvancedLine at the vanguard of checkweighing technology.

Its outstanding precision and versatility allow its use in all industrial production situations requiring 100 percent weight control, especially those where demanding and complex application requirements need to be achieved. Specialized conveyors and handling options allow for the optimal transport of unstable or open products such as jars, trays and cans. The C35 AdvancedLine has been designed to enhance production line performance, up-time availability and quality. In addition, it supports all current global food safety standards, legislation and regulations.

C35 AdvancedLine

Precision and Versatility

General Technical Data	
Approval no. (DE)	DE-17-MI006-PTB006 Weights & Measures design approval for official verification (MID certifiable)
Weighing technology	Electromagnetic force restoration (EMFR) load cell, digital, maintenance-free, with temperature compensation, Swiss made
Weighing terminal (HMI)	15-inch 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; real-time data capture and distribution
Conveyor belt speed	Continuously variable



Typical dimensions in mm (A-A, B-B vary depending on conveyor size, ranges below are in steps)

Options and Accessories – Mechanical/Electromechanical

- High-performance conveyors or high-precision conveyors for highest weighing accuracy
- Water protection design (IP65, stainless steel conveyors with easy belt removal)
- Up to six additional infeed conveyors and/or infeed timing screw for timing and spacing
- Sidegrip or top-bottom conveyors for flawless product transfer
- Various sorting/rejecting devices such as air blast (air jet), pusher, swing gate, lift gate, lift conveyor, drop-down conveyor
- Product collection devices such as plastic or stainless steel catch bins, turntable, and gravity roller path
- HMI or enclosure mounted separately for optimal usability
- Various shields and safeguards for enhanced weighing performance as well as high process safety

Options and Accessories – Electronic/Software

- Extensive statistical functions and printing/output options
- Automatic filling process readjustment (feedback control with eight individual controllers for fill heads), standard or extended version
- Several sensors to identify askew packages or open packages – to ensure high product quality
- Extensive monitoring and alarm options e.g. back-up deflection and successive errors detection as well as color-coded and/or acoustic signaling devices to allow immediate reaction to production line problems
- Data interfaces and protocols e.g. Fieldbus (DeviceNet, PROFINET, PROFIBUS), OPC DA and UA, RS232/422/485, CL20 active/passive, industrial Ethernet/IP

Technical Details

Technical Details	C35 AdvancedLine
Weighing range*	3 g - 10 000 g
Accuracy**	from ± 0.01 g (10 mg)
Throughput**	max. 600 weighings/minute
Infeed conveyor length (A-A) range	250 - 1 800 mm (distance between roller centers)
Infeed 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
Outfeed conveyor length (A-A) range	250 - 1 800 mm (distance between roller centers)
Outfeed conveyor width (B-B) range	60 - 400 mm
Line height (TH), other heights on enquiry	550 - 1 500 mm (± 50 mm)
Compressed air supply	approx. 6 bars (87 p.s.i.)
Noise level, standard system at full speed***	less than 70 dBA at 1 m height and 1 m distance
Product (article) setup memory	for up to 400 products
Classification	in 3 - 7 weight zones
Zero reset	automatic or manual
Electrical (with lockable mains disconnect)	110/230 VAC, single-phase, 50/60 Hz, 750 VA - 1 kVA
Ingress protection rating	IP 54, optional IP 65 (water protection design)
Surface finish	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 weight, dimensions and transport characteristics of the product being weighed

*** Certain conveyor and sorting/rejecting device options may increase the system noise level

- Interface to the METTLER TOLEDO SQC system FreeWeigh.Net™ or ProdX™ data management system – for remote access and enhanced insight in production processes
- Control panel (control enclosure) in compliance with UL508A
- Combination with other product inspection technologies

Many more options and accessories available

METTLER TOLEDO Service with global reach and tailored care solutions



Typical package shapes



Mettler-Toledo Group

Product Inspection Division

Local contact: www.mt.com/contacts

Subject to technical changes. Images are examples only.

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