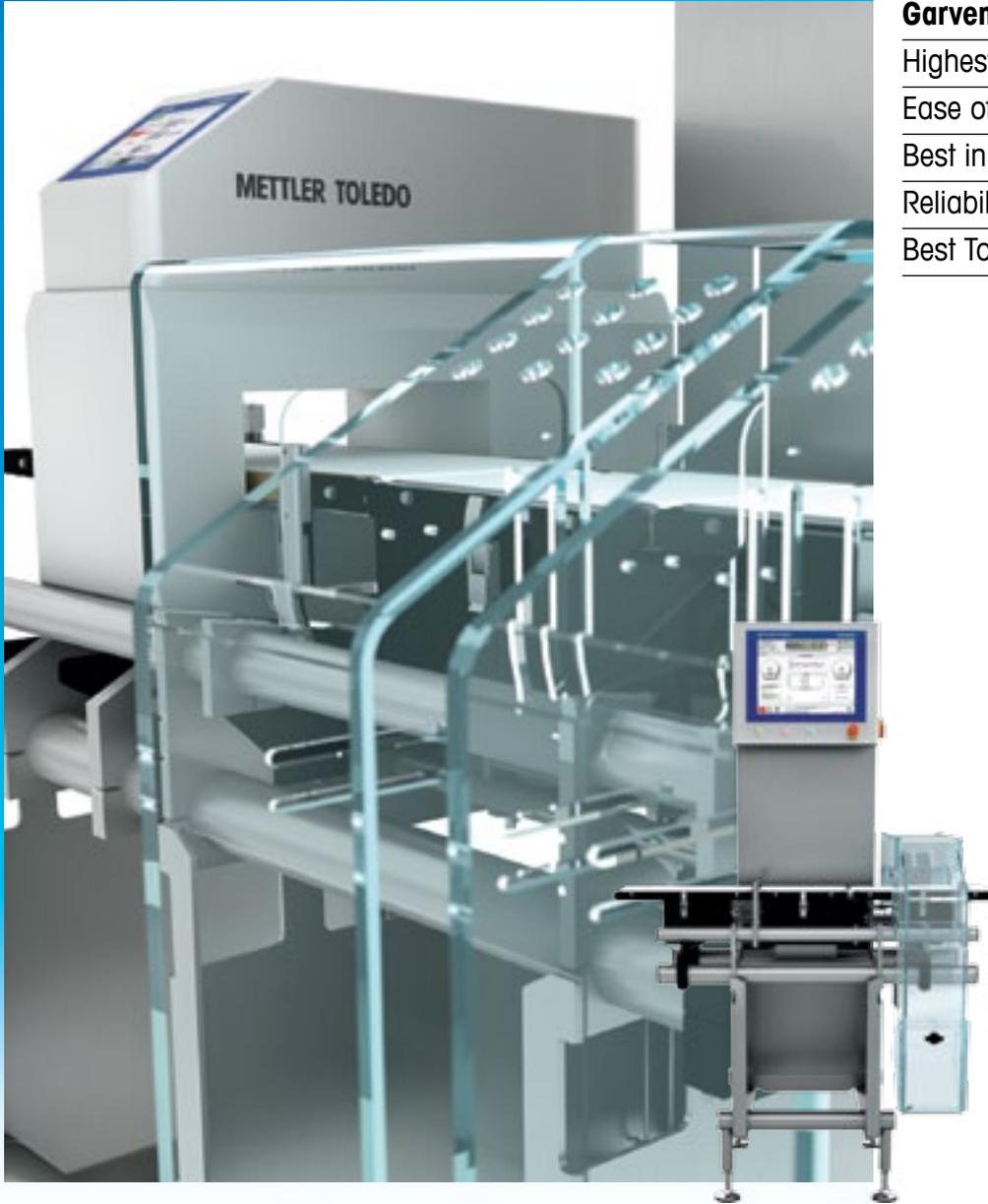


Garvens C3000 System



Garvens C3000 System

Highest performance

Ease of use and integration

Best in class safety

Reliability for a long useful life

Best Total Cost of Ownership

Garvens C3000 System

Adaptability – Performance – Reliability

METTLER TOLEDO

Perfect Product Inspection Challenging Your Imagination

Imagine a checkweighing system engineered to precisely meet your requirements. A checkweighing system that is adaptable in the best possible way to numerous applications with a robust reliable design. This, and an outstanding performance is your key to a future-proof dependable investment.

Quality assurance in today's production operations is unthinkable without modern checkweighers. No matter whether they operate in the pharmaceutical, chemical or cosmetic production industries, the food and beverage sector, the metal processing industry or the automotive area – all companies rely on these precision instruments.

Checkweighers optimise production processes

Checkweighers have long since been a key element of production operations, as they are capable of far more than just weighing and can actually optimise your whole production process.

Your product is special? No problem!

METTLER TOLEDO Garvens always finds the right solution for your challenge. We bring in our profound competence to the production processes and help to optimise them with our knowledge and high-end products. More: We always push the limits to make the good even better.

C3000 System gives your imagination a real solution

The new Garvens C3000 System provides highest throughput and performance combined with most accurate weighing in all sectors of industry.

The flexibility inherent to the design of this new range of checkweighers makes them most adaptable and yet robust and reliable.

Connect to the future of checkweighing

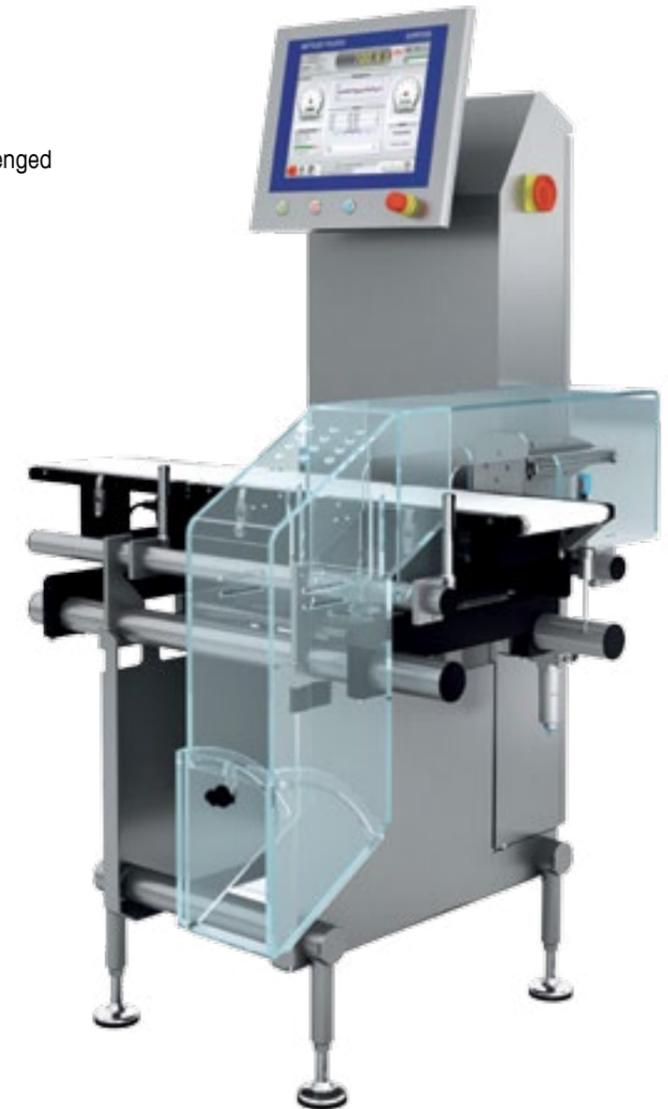
What you get are perfectly tailored checkweighing solutions. For most easy line integration, smooth processes and more uptime.

Fully compatible with all available software options, interfaces, and ahead of the market in terms of more than full compliance with safety regulations, C3000 System is a milestone in checkweighing. C3000 System really connects you to the future of checkweighing.



C3000 System is ...

unrivalled in performance
easy to use and integrate
safety up to the last detail
a future-proof investment
a checkweighing solution to be challenged
the way to more efficient processes



Unrivalled Performance That Gives Your Bottom Line the Kick



- Completely redesigned mechanics for improved stability
- Weighing accuracy and throughput increased by 33%
- Designed for highest speed within the highest calibratable weighing range

METTLER TOLEDO Garvens offers unparalleled performance with all its product inspection solutions. The C3000 system has been engineered based on several decades of experience in global industries. At the same time, the flexibility of C3000 means we can also focus on your individual requirements. It brings checkweighing to a whole

new level. With an extremely robust, solid frame design which strongly reduces the influence caused by outside vibrations, C3000 achieves the highest possible performance. Smooth product handling and accurate weighing in high speed applications enable your production to be more effective. No more barriers for an increased production

line throughput! Overall, the weighing accuracy is increased by 33 per cent compared to former systems, while offering official verification at each weighing range – up to 10 kilograms.

C3000 really makes a difference at your bottom line!



Ease of Use and Integration for Maximum Flexibility



Whether your checkweighing needs are routine, high throughput or highly complex, the C3000 System is your worry-free solution, equipped with an extraordinary ease of use and versatility.

Simply put, the Garvens C3000 System works the way you think. It has been designed with you – the customer – in mind.

One of its core features is the open-designed four-tube frame structure. Curved angles and minimal horizontal surfaces guarantee easy cleaning and maintenance.

Another decisive advantage of the unique four-tube frame structure is retrofitability. Changes to a production line are done every day. C3000 lets you change or upgrade features easily. A variety of conveyor belt types, specific sorting options or other additional features are offered and may be changed with minimal effort.

The user interface features easy navigation and supports your daily work with diagnostic tools. All this leads to more uptime of your production process.

As your product changes so changes the checkweigher – quick and easy!



Safety – Detailed to the Level You Require Enhancing Your Peace of Mind



- Best possible operating safety
- Best possible equipment safety
- Risk assessment and regulatory compliance for all systems

METTLER TOLEDO Garvens solutions are used in production sites all over the world to provide precise and accurate results, often for very critical applications. Safety of all employees as well as product safety are core needs here.

METTLER TOLEDO Garvens is committed to optimising these safety

measures, and with the new C3000 System the approach comes to a new level.

We worked with several major customers, who produce a wide range of products, to understand their security needs. C3000 is designed to meet those high standards. These features are available

for all customers, large and small.

Our strong commitment to all necessary machine design regulations and legal requirements give you a worry-free product.

Moreover, a fully thorough risk assessment is available for each C3000 machine.



Be secured by ...

- a safe design for all systems
- a safe product handling
- keyword protected areas
- customer quality systems support
- system risk assessments
- a general CE compliance
- regulatory and legal compliance

A Reliable Investment Serving You For Years to Come



What is better than a checkweigher? A checkweigher protecting the safety of your brand and products with endurance beyond comparison. C3000 System is designed for reliability, and is a "future proof" investment with a short pay-back time.

We supply the best performing checkweighing products. We also ensure your investment keeps its value and performance over its lifetime.

The C3000 design adapts easily to your future needs. Wear parts are reduced to a minimum and our professional worldwide service offers

maximise your equipment uptime.

Professional validation and calibration support ensures that your machine is set to perform in best alignment with your tasks and specifications.

Moreover, the overall improved equipment efficiency combined with

the increased performance, will keep your Total Cost of Ownership (TCO) at peace-of-mind-level.

Get the maximum out of your equipment investment with minimum risk and lowest operating cost over a long lifetime!



A Checkweighing Solution to be Challenged

Premier Components Engineered with Passion

- Flexible, configurable system architecture
- High weighing accuracy at high throughput
- Easy to clean and maintain

With its open-design, four tube structure, combined with minimised horizontal surfaces the C3000 checkweighers excel in cleaning and inspection efficiency. The unique design provides stable, quiet operation for optimum weighing processes.



Conveyors up to 400 mm width are available. Optional nose rollers or smaller roller diameters allow for even smoother product transfer. Conveyor belts, and entire conveyor modules, can be changed in no time, to keep your line operating.

The C3000's IP69k terminal (and the optional IP69k metal detection head), gives you the best protection to withstand regular cleaning needed to maintain a hygienic environment. The terminal ensures operator safety with a better accessible emergency stop button and meets demands for high throughput workflows due to the faster IPC.

Utmost accuracy and efficiency are guaranteed with the new interference-suppressing load cell supporting an official verified weighing range of up to 10 kg.

Improved metal detector head (optional)

- Up to 800 kHz
- 3 frequencies
- ▶ Top performance in metal detection



Robust 4 tube structure

- Minimised horizontal surfaces
- Stable, low vibration construction
- ▶ Best robustness and longevity



Easy to use IP 69K terminal

- Better emergency stop button access
- Standard USB-slot at terminal
- ▶ Leading ease of use and safety



New conveyor system

- Up to 400mm width
- Minimised irregularities due to moving masses
- Specially encased toothed belt
- ▶ High efficiency and more uptime



Accurate IP 69k load cell

- Interference-free mounting
- Approved for official verification
- Weighing range up to 10 kg
- ▶ Top weighing performance

The Way to More Efficient Processes With All Familiar Software and Accessories

What do pharmaceutical blister packagings, food boxes, confectionary bags, dairy pouches, aerosol cans or detergent bottles have in common? They all get safe product transport and secure inspection with C3000 checkweighers. Even more, our established software options and suitable accessories turn C3000 checkweighers into efficient tools for a higher productivity.



No two products are the same. Different package shapes and sizes, unique behaviour of liquids in motion and general product stability on the weighing conveyor can often be challenging. But METTLER TOLEDO knows the answer to all these challenges. The highly stable construction of the new C3000 System, small roller diameters and a most accurate load cell deliver the best possible weighing result for every imaginable product.



Flawless Product Transfer

Extremely reduced product toppling or swaying on the weighing belt is just one of the key features of the C3000 System. Smoothness in product transfer is ensured with a very small roller diameter and additional available nose rollers and guiding rails.



Optimal Brand Protection

Ensuring compliance with government regulations and industry standards through in-line checkweighing of all packages is one of the main reasons for a checkweighing programme. In addition to complying with these legal requirements C3000 System protects your brand and the customer when using additional metal detector units detecting even the most challenging and irregular-shaped contaminants.



Most Efficient Processes

C3000 System, with up to 33 per cent more performance, drives tighter production tolerances, yields less waste and enables more final products to be processed with the same amount of inventory. Reduced wear parts keep maintenance requirements at a minimum. This and the available real-time monitoring of the complete weighing process will lead to more efficient processes.

Benefit from the Knowledge

Descending from the Origin of Checkweighing

The METTLER TOLEDO service team knows how to satisfy your business needs by getting the best from your instrumentation and equipment. Take advantage of the experience, skills and thorough know-how of our team of thousands of dedicated service specialists all around the world and, much more important, in your immediate vicinity.

Our service offering is based on four fundamental values that help you satisfy your business needs.

Uptime

Profit from maximum uptime for your equipment and processes, receiving support whenever and wherever you need it.



Performance

Get highly accurate and precise results from your processes by optimizing equipment performance in all environments.



Compliance

Get peace of mind in complying with regulations and norms – with results that meet requirements every time.



Expertise

Ensure highest efficiency and expertise of your workforce through training and seminars tailored to your needs.



www.mt.com/garvens

For more information

Mettler-Toledo Garvens GmbH

Kampstrasse 7
31180 Giesen, Germany
Telephone +49 (0) 5121 933-0
Facsimile +49 (0) 5121 933-456
e-mail garvens@mt.com

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