

TAMTRON



**REPEATABLE QUALITY AND ACCURACY WITH
TAMTRON EXCELLENCE AND RELIABILITY**

**ADVANCED WEIGHING AND
DOSING SOLUTIONS**



Save time and effort
– make your everyday
operations easier

TAMTRON IN NUMBERS

SCALES INSTALLED

30 000

NET SALES

55 M€

EMPLOYEES

330

TAMTRON

– YOUR RELIABLE PARTNER IN INDUSTRIAL WEIGHING AND DOSING SOLUTIONS

Tamtron is a trusted technology expert in industrial weighing and dosing of bulk materials, serving customers across Europe and beyond. With decades of experience, we provide accurate, robust, and innovative solutions that enhance product quality and process efficiency, delivering measurable business benefits.

Our comprehensive offering includes advanced weighing technologies, lifecycle services, and the cloud-based mScales material flow management system, which ensures seamless integration and connectivity. Whether it's truck scales or big bag stations, our legal-for-trade approved solutions are tailored to meet diverse industrial needs, making operations more efficient and manageable.

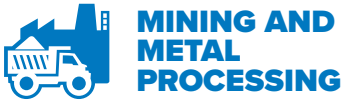
We work closely with our customers to understand their processes and operational needs. Leading companies in industries such as recycling, mining, metals, and battery materials for electric vehicles rely on Tamtron's expertise.

Tamtron's ISO 9001:2015 certification reflects our commitment to quality and customer-centricity. With over EUR 55 million in turnover and a team of 330 professionals, we operate from Finland and subsidiaries across Europe, exporting to over 50 countries via a certified partner network.

Choose Tamtron for sustainable, high-performing solutions and a partnership built on trust and innovation.

INDUSTRIES

Tamtron's solutions are designed to meet the specific demands of various industries, delivering reliability, accuracy, and efficiency in every application. Below are some practical examples of completed system projects in different industrial sectors.



Tamtron provides advanced weighing and dosing systems to optimize mining and metal processing operations.

▶ **Ore Concentrate Receiving at Port**

Efficient handling of ore concentrates with a capacity of 1200 t/h. The batch feeding system with belt feeders ensures seamless operation while adhering to legal-for-trade standards.

▶ **Metal Alloying System**

Precise dosing of multiple ingredients ranging from 15 to 700 kg/h. The batch-type system guarantees accuracy and consistency for alloy production.



Tailored solutions for the forestry sector improve efficiency and ensure seamless processing of materials.

▶ **Broke Conveyors**

High-speed, continuous conveyors up to 11 meters wide with two-way operation, offering flexibility and high throughput.

▶ **Glue Kitchen**

Robust glue mixing systems for, e.g. plywood and LVL manufacturing.



Efficient material handling solutions designed for sustainable operations.

▶ **Belt Weighers**

Achieving up to 0.5% accuracy, these weighers ensure precise monitoring of material flow.

▶ **Receiving Equipment**

Reliable systems with a capacity of 5 t/h for effective material intake from big bags and containers.



State-of-the-art equipment tailored for the evolving battery materials industry.

▶ **Big bag unloading stations for efficient material handling**

▶ **BB/IBC combi-packing stations for flexible packaging needs**

▶ **Additive feeders for precise dosing in production processes**



▶ **Drymix and AAC manufacturing**

▶ **Dosing and mixing with automation systems**

▶ **100 projects globally**



▶ **The manufacturing system of liquid coating solution**

▶ **ATEX-compliant system for dosing and mixing powder to liquid**



Precise dosing solutions to support quality and efficiency in food production.

▶ **Dry Feed Dosing for Rearing Processes**

Accurate batch dosing of 0.6–5 kg with evenly distributed material, ensuring optimal conditions for rearing processes.

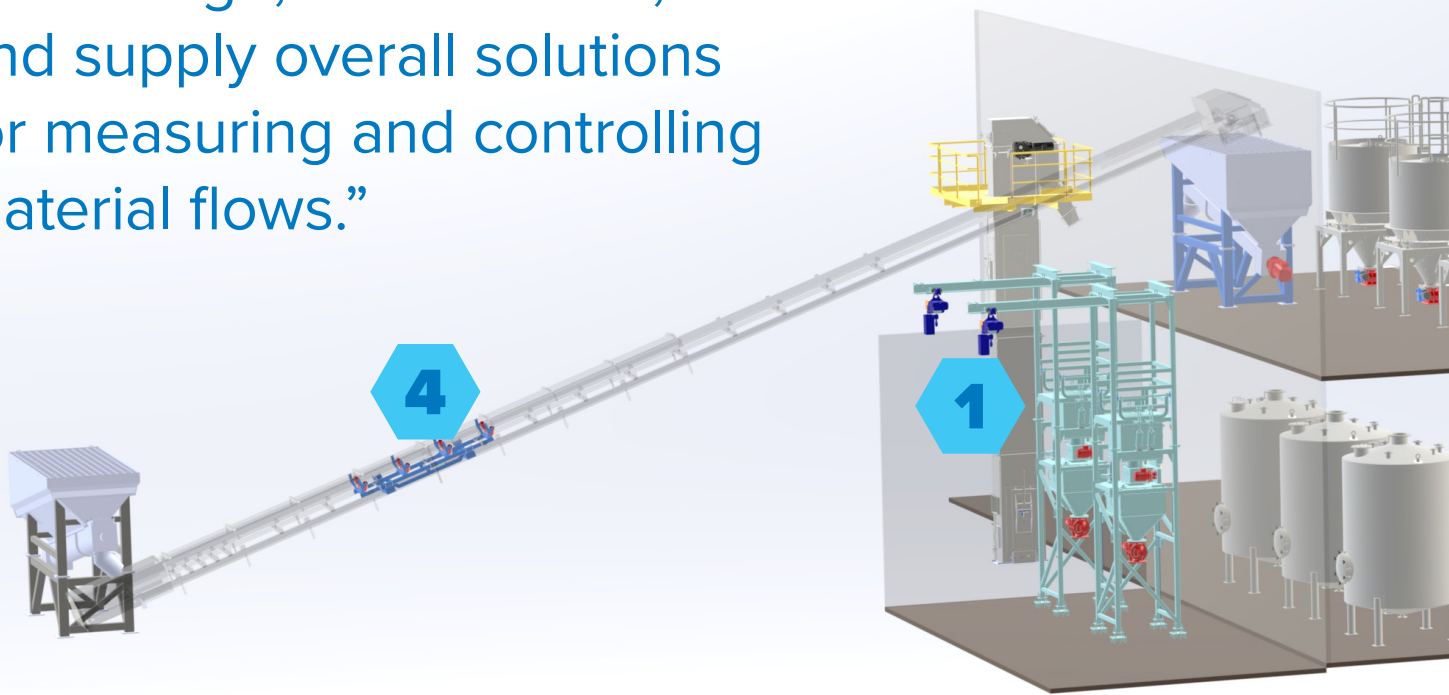
▶ **Totalising hopper scale for grain weighing and logistics**

Accurate cumulative legal-for-trade measurement of material flow. Can be used instead of truck or railway scales.

BENEFITS:

- ▶ Our long experience as a supplier of weighing, dosing, mixing, and conveying equipment allows us to consider the big picture and deliver more efficient solutions.
- ▶ Precise dosing equipment enables an optimal and efficient production process.
- ▶ Material knowledge allows for the correct dosing techniques for different materials.
- ▶ Yields are higher because the percentage of waste or quality deviations is lower.
- ▶ The dosing accuracy of expensive raw materials is achieved within a smaller tolerance window.
- ▶ Fluidisation technology enables a maintenance-free and user-friendly dosing method.
- ▶ Ongoing maintenance and support ensure systems remain efficient and reliable throughout their life cycle.

“We design, manufacture, and supply overall solutions for measuring and controlling material flows.”

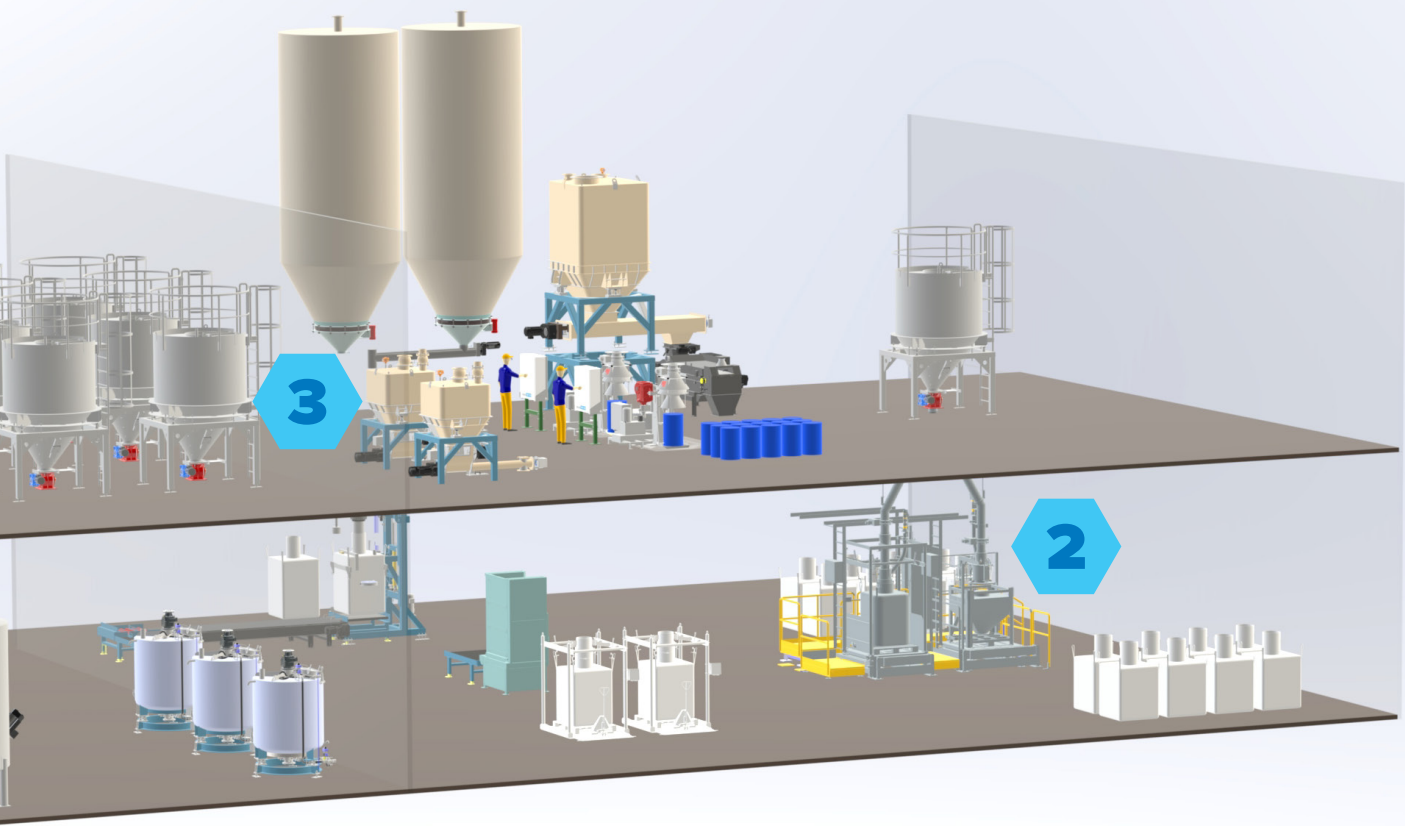


EFFICIENT DOSING, WEIGHING AND MIXING SOLUTIONS

Tamtron weighing and dosing equipment and systems are expertly designed and manufactured from high-quality components. Scales and instruments are designed according to EU-wide metrological standards.

Our expertise helps customers find the right components to ensure optimum process performance and minimise waste. Our technology's versatility enables accurate and reliable handling of a wide range of materials, including dry and powdered substances. Solutions are flexible and can be adapted to different process parameters, increasing cost-effectiveness.

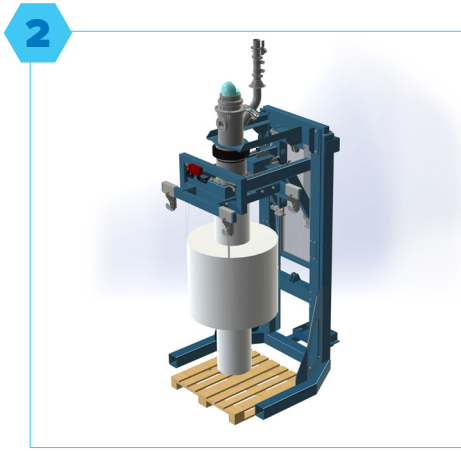
- ▶ Early involvement ensures optimal solutions
- ▶ Focus on developing core weighing and dosing technology, including automation
- ▶ Broad experience with different dry bulk materials' dosing and conveying by different technologies
- ▶ The notified body has confirmed that Tamtron's production quality assurance system ensures compliance with EU-type requirements for non-automatic (NAWI, 2014/31/EU) and automatic weighing instruments (MID, 2014/32/EU)



BIG BAG UNLOADING TO MIXER OR CONVEYOR

UNLOADING STATIONS FEATURES

- ▶ Safety secured by control system design and with accessories required by the norms
- ▶ Dustless connection from a big bag to the unloading cone
- ▶ The unloading station can be equipped with scale
- ▶ Unloading to a slurry mixer or to a screw inlet, for instance



BIG BAG AND CONTAINER LOADING STATIONS

LOADING STATION FEATURES

- ▶ Can be equipped with scale – also certified as legal for trade for commercial use
- ▶ Dustless connection to the big bag
- ▶ Possibility to use vibration to ensure proper filling of big bags with complex materials
- ▶ Big bag can be hanging or standing on a pallet

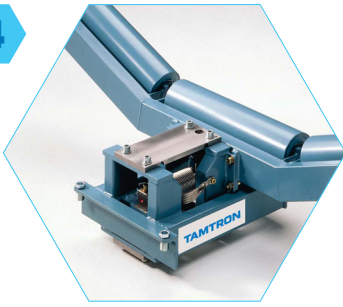


DOSING IN MATERIAL MANUFACTURING PROCESSES

EXAMPLES OF TECHNOLOGY AVAILABLE

- ▶ LIW (Loss-In-Weight) feeders for continuous dosing of raw materials
- ▶ Silo weighing combined with flap valves or screws for batch dosing
- ▶ System-level dosing automation integrable to factory-level automation

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CONVEYOR BELT SCALE

BENEFITS

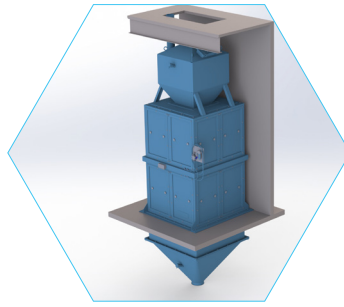
- ▶ A more accurate weighing result is achieved with a high-quality conveyor belt scale
- ▶ A single roller belt scale is a reliable and cost-efficient high-quality, simple scale for process weighing
- ▶ Periodic checks and maintenance guarantee a long service life
- ▶ Due to its low construction, the belt scale can be easily and quickly installed on an existing belt conveyor
- ▶ A multi-roller belt scale gives the most accurate weighing result



FEEDERS

BELT, SCREW AND VIBRATORY FEEDERS

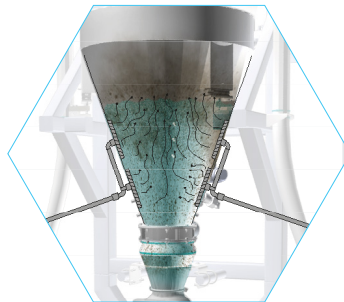
- ▶ The right type of feeder is selected based on factors such as material, process characteristics, and environmental conditions



TOTALISING HOPPER SCALES

BENEFITS

- ▶ Our totalising hopper scales operate in demanding conditions, where the trouble-free operation, accuracy, and long-life cycle of the scale guarantee an efficient process
- ▶ Hopper scales are type-approved automatic scales in accordance with the Measuring Instruments Directive and are generally verified for commercial use
- ▶ Static weighing accuracy for dynamic material flow
- ▶ Sturdy and dust-tight hopper scale for safe operation in different conditions
- ▶ Hopper scales can be tailored to the customer's needs



FLUID TECHNOLOGY

The fluid components (fluid plates and cones) restore the fluidity of the material by feeding pressurised air

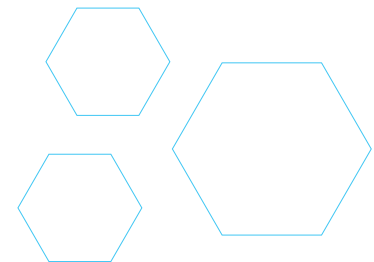
BENEFITS

- ▶ Increased efficiency of the production process
- ▶ Environmental friendliness: no motors, so significantly less energy is consumed
- ▶ Fluid hose allows the bypassing of fixed obstacles (e.g. structures)
- ▶ It is also possible to quickly build new technology into an old process
- ▶ Fluid technology ensures that fine material can be moved easily and quickly
- ▶ Fluid elements and fluid hoses require no maintenance



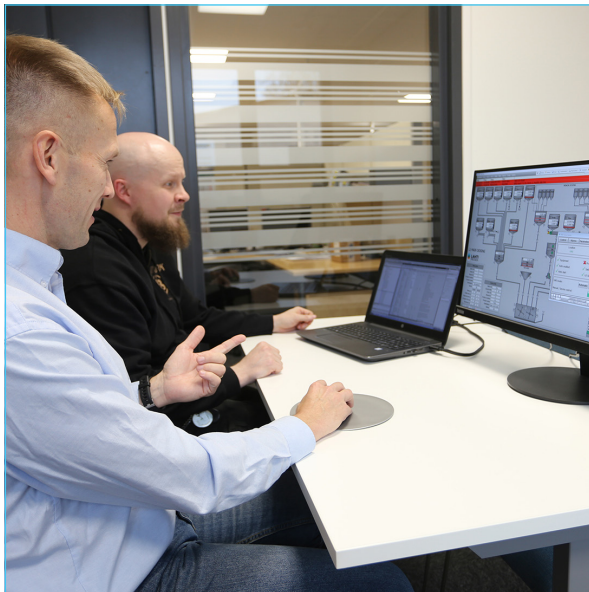
WEIGHING COMPONENTS

- ▶ Tamtron supplies scales, components, and equipment for weighing and dosing applications in a variety of industries
- ▶ Load cells, weighing terminals and transmitters





BOOST YOUR PRODUCTION WITH ACCURATE WEIGHING AND DOSING



EFFORTLESS PROCESS OPTIMISATION AND TRANSPARENCY

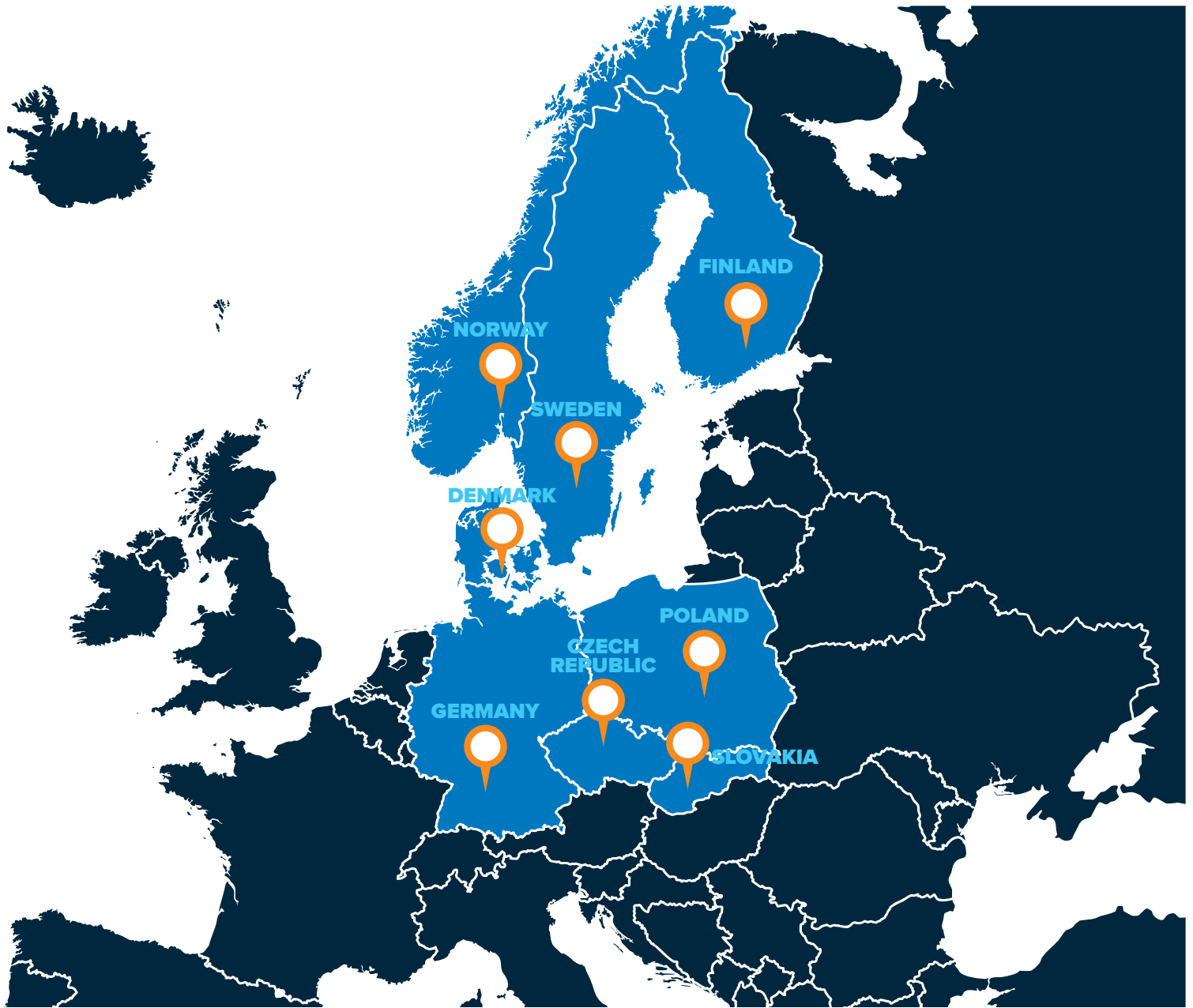
WITH TAMTRON AUTOMATION SOLUTIONS

- ▶ Experience in various automation systems from different industries
- ▶ Enables remote support and diagnostics
- ▶ Upgrading the system ensures it operates efficiently throughout the plant life cycle
- ▶ We make sure that the plant is always working at its best to ensure optimum performance and reliability
- ▶ Maximum dosing accuracy and efficiency
- ▶ Get process insights with data collection

INSTALLATION SUPERVISION, COMMISSIONING, AND MAINTENANCE SERVICES

- ▶ Tamtron's experts help in designing a weighing solution to support your company's processes and material flows. We help to integrate weighing into your processes so that it serves your business effectively
- ▶ Our installation services and user training ensure that your weighing solution is operating fast and efficiently
- ▶ Original spare parts and comprehensive technical support are available to all our customers





START OPTIMISING YOUR PRODUCTION TODAY

Explore our comprehensive solutions for industrial weighing and dosing systems. Visit our website for detailed information and connect with our experts to find the best solution for your needs.

WWW.TAMTRON.COM

Let's shape the future of industrial material flows together!



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Tamtron is a leading supplier of advanced weighing solutions, offering innovative weighing and dosing technologies, comprehensive lifecycle services, and modern cloud-based digital services. Supporting industries such as earthmoving and construction, mining and metal processing, battery and chemical industries, food production, forestry, logistics, ports and terminals, as well as recycling and energy, Tamtron operates globally with its headquarters in Finland. The company has a strong presence across Europe through its subsidiaries and worldwide partner network.