

Truck Scale Components

Products and solutions for reliable vehicle weighing



Minebea Intec is a leading supplier of exceptional German Quality truck scale components. The long product lifetime of the components minimises downtime as well as servicing and calibration costs, ensuring safe and smooth operation of the truck scales.

The true measure

Minebea Intec is a leading manufacturer of industrial weighing and inspection technologies. Our mission is to increase the reliability, safety and efficiency of our customers' production processes. To do this, we provide high-quality products, solutions and services that ensure a high level of safety.

Minebea Intec's excellent performance is based on 150 years of experience, our distinct German Quality and continuous investments in the development of innovative technologies. Our strong global presence and an extensive network of distribution partners ensure that our customers can rely on top Minebea Intec quality – any time, anywhere. Our goal is to set strong standards in all areas of our company, which is reflected in our brand slogan, 'the true measure'.

By purchasing Minebea Intec products, every day, customers all over the world are choosing more than just innovative technologies: they are also choosing top-quality service performance and comprehensive support throughout the entire life cycle of their product. Our aim is to fulfil our customers' requirements no matter what the industry, and to be the first port of call for weighing and inspection technologies. In short: the best expert you could have!

Products and solutions from Minebea Intec are firmly established in many sectors



Logistics

Agribusiness

Building materials

Recycling





The MinebeaMitsumi group

The MinebeaMitsumi group is a global precision electromechanical components manufacturer, providing products for various industries. Minebea was founded in 1951 in Japan, Mitsumi in 1954. The company currently employs around 80,000 people and has more than 120 production sites and sales and service locations around the world. For many products, the MinebeaMitsumi group is No. 1 in terms of its global market share.

We stand for precision and durability

Minebea Intec offers products and solutions for reliable vehicle weighing in agricultural and waste management applications, as well as a wide range of other industries.

Our diverse portfolio includes analogue and digital weighing solutions for every requirement. The high-quality range of products covers everything from load cells, including installation solutions, to weighing electronics with independent truck applications.

If products are to be used in demanding ambient conditions, they must show exceptional quality and a robust design, in addition to precise and verifiable measurement results. For this reason, Minebea Intec offers components with the following characteristics:

- Exceptionally long product lifetime thanks to German Quality
- Precise measurement results for accurate billing of loaded goods
- Uncompromising reliability thanks to excellent lightning protection
- Outstanding protection against water build-up, frost and de-icing salt



Scan the QR code and learn more about our truck scales and components.

Always the right solution for each of these applications:



Why Minebea Intec?

Minebea Intec is a byword for quality and cutting-edge technology. Our innovative German Quality solutions have proved themselves all over the world, handling the very toughest of conditions and the strictest of requirements. We offer on-site support and services throughout the entire life cycle of our products. This means our customers always have the best possible solution for their requirements.



German Quality



'With components from Minebea Intec, our truck scale is extremely durable even under the very toughest conditions. We benefit from the long product lifetime and reliability every single day, which both originate largely from the exceptional quality of the truck scale load cells.'

Truck scale load cells

Truck scale load cells from Minebea Intec guarantee precise measurement results, a long product lifetime and exceptional reliability – all over the world and in the most demanding environments. Whether opting for an analogue or digital solution, our customers can rely on the outstanding characteristics of our products at all times.

Analogue truck scale load cell PR 6221

- Easy installation and commissioning
- High overload capacity
- Precise measurement results from 12.5 t to 75 t
- Patented measuring element geometry
- Maximum IP protection (IP68 and IP69)
- Also available as an Ex version
- Excellent surge protection (lightning protection class III)
- Hermetically sealed casing
- Developed for the harshest ambient conditions



Truck scale load cell PR 6221 plus converter Connexx®

Digital truck scale load cell PR 6221 with converter Connexx®

In combination with the converter Connexx®, the PR 6221 converts into a digital solution and provides the following features in addition to the advantages listed above:

- Fast signalling times
- Thanks to the use of field bus communication, the cable junction box is no longer needed
- CANopen allows for extra-long communication paths of up to 200 m
- Weight values individually available per load cell for fast commissioning and identification of defective load cells



Easy Installation



Easy Set-Up



German Quality



Lightning Protection



Explosion protection



Digital Assistance Technology



Digital truck scale load cell PR 6224 Pendeo® Truck

The Pendeo® Truck is a digital load cell with DAT (Digital Assistance Technology). Its advanced functions include short weighing times and significant time savings during configuration.

Easy commissioning

- Load cell identification; uneven load distribution alert
- Automatic corner correction

Efficient use

- Temperature checks
- Information about load cell parameters; immediate notification in the event of a faulty load cell

Quick repair and maintenance

- Compensation for a failed load cell
- Overload counter; enhanced service functions



Digital Assistance
Technology

Truck scale load cell
PR 6224 Pendeo® Truck



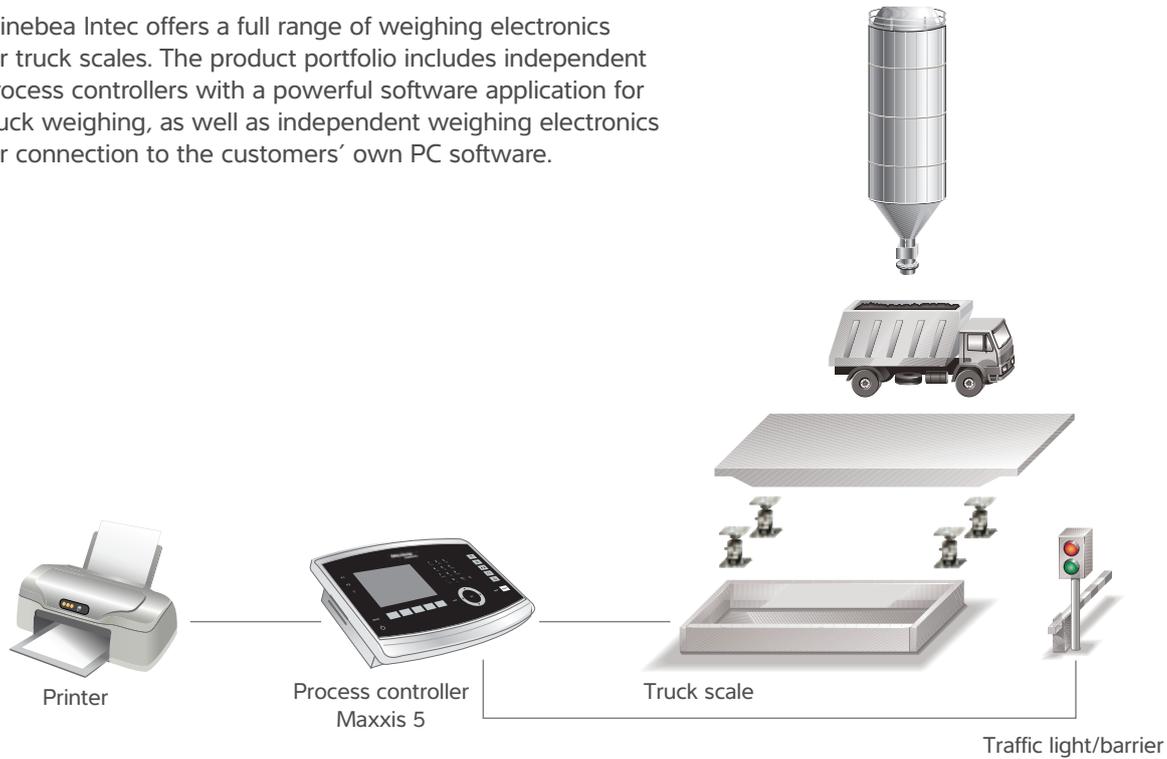
For more detailed information,
please visit our website or contact

sales.hh@minebea-intec.com



Versatile weighing electronics for flexible solutions

Minebea Intec offers a full range of weighing electronics for truck scales. The product portfolio includes independent process controllers with a powerful software application for truck weighing, as well as independent weighing electronics for connection to the customers' own PC software.



Controllers and indicators

Process controller Maxxis 5

The Maxxis 5 with its truck weighing application is capable of controlling the entire weighing process, including predefined processes for:

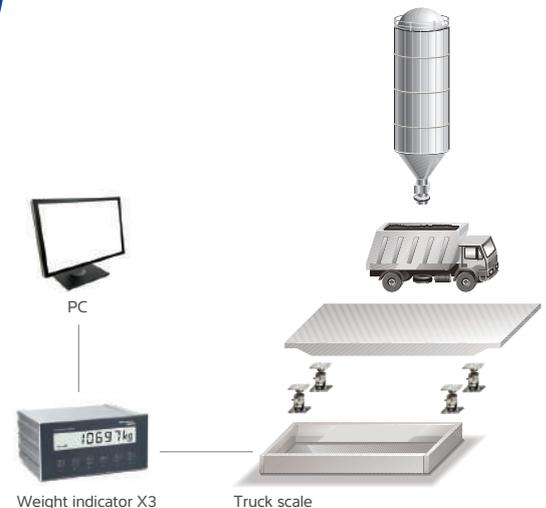
- First and second weighing
- Controlling traffic lights and barriers
- Controlling dosing processes for truck loading

Material- and order-specific receipts, recipe reports, usage logs and production statistics can be printed out or exported to a PC.

The process controller Maxxis 5 is also suitable for use with tandem scales. In this case, 2 weighing platforms are connected and the combined weight value is calculated.



Process controller Maxxis 5 with truck application



Weight indicator X3

The weight indicator X3 is connected to existing PC software. The software application EasyFill® comes pre-installed for quick and easy dosing processes. The X3 boasts a large, transreflective display for exceptional readability, even in direct sunlight.

- Precise, reliable and fast processing of weight values
- Simple and efficient calibration of scales with SMART Calibration
- Global remote servicing with the Remote Service functionality
- Can be extended with the converter Connexx® for all digital weighing solutions



Includes EasyFill®!

Weight indicator X3

Other components

Cable boxes

Minebea Intec cable boxes are an easy-to-install solution that guarantee safe connection of multiple load cells. The cable boxes PR 6021, which have been specially developed for truck scales, can be assembled rapidly and offer stable signal transmission and excellent resistance against moisture and dust.

- For up to 8 analogue or digital load cells
- Maximum IP protection (IP68 and IP69)
- Excellent surge protection (lightning protection class III according to DIN EN 62475)
- High immunity against electromagnetic interference
- Rapid assembly time (max. 5 minutes) thanks to colour coding and terminals
- Pressure relief valve: Goretex® membrane regulates the pressure and provides protection against moisture
- Available as an Ex version
- Available in stainless steel or polycarbonate



Digital Assistance
Technology



Explosion protection



Cable box PR 6021/68S



Lightning Protection

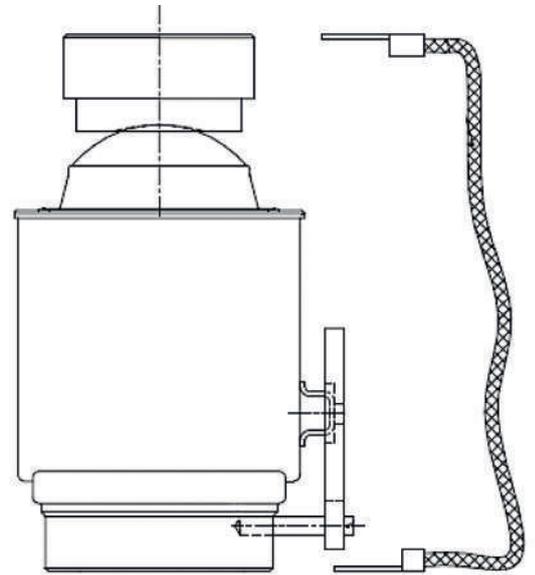
For reliable surge protection, potential equalisation and protection of measuring cables, our analogue load cells – in conjunction with the cable box and indicator – can withstand voltages of at least 1,000 kV and currents of up to 100 kA without sustaining damage.



Mounting kits, pressure pieces and base components

Mounting kits, pressure pieces and base components enable easy, reliable installation and fault-free operation.

Mounting solutions with anti-rotation protection are especially suited to critical applications if the rubber supporting ring and the optimised radius ratios of the Minebea Intec truck scale load cells cannot keep twisting below an acceptable level.



Anti-rotation protection



Our product portfolio



Acceptance and storage of loose materials

Incoming goods

Acceptance of piece goods

Automated production systems

Reliable checking of supplied and stored materials

For complete process control



Components and solutions for vehicle weighing (analogue/digital)



Components and solutions for silo weighing



Batching and formulation



Foreign object detection (metal detection/X-ray inspection)



Weighing of incoming goods



Components and solutions for vessel weighing (analogue/digital)

This is a cross-section of our extensive product portfolio. We offer tailor-made solutions for a range of requirements: from simple to complex; from explosion protection solutions to hygienic design.



Manual production

Solutions that ensure accuracy and traceability



Portioning and checkweighing



Formulation and formulation weighing

Packaging

Guaranteeing product quality and food safety



Checkweighing/metal detection



X-ray inspection



Pre-packaging checking and statistical process control

Outgoing goods

Quality assurance of final product



Weighing/order picking of outgoing goods



Checkweighers for heavy loads



Components and solutions for vehicle weighing (analogue/digital)

Our services

Via our world-wide presence, we and our certified partners stand beside our customers across the globe throughout the entire life cycle of our products and solutions, from choosing the right equipment and systems to upgrades, replacement parts and training.

Engineering Support and Global Solutions – ensuring optimal solutions

- Consultation on selecting the best products and solutions with regard to the desired performance, precision and costs
- Design-in support for the integration of our products and solutions in existing constructions
- Customer-specific products or solutions – tailored to individual requirements



For more detailed information, please visit our website or contact

info@minebea-intec.com

engineering support
by Minebea Intec



Commissioning – for a timely start to production

- Mechanical and/or electrical installation, commissioning and training on set-up and use
- Calibration or conformity assessment of equipment and systems according to statutory requirements for measuring technology
- Equipment qualification (IQ/OQ)



Upgrades – to update systems and improve performance

- Hardware and software upgrades
- Equipment refurbishment

Training courses – to improve skills

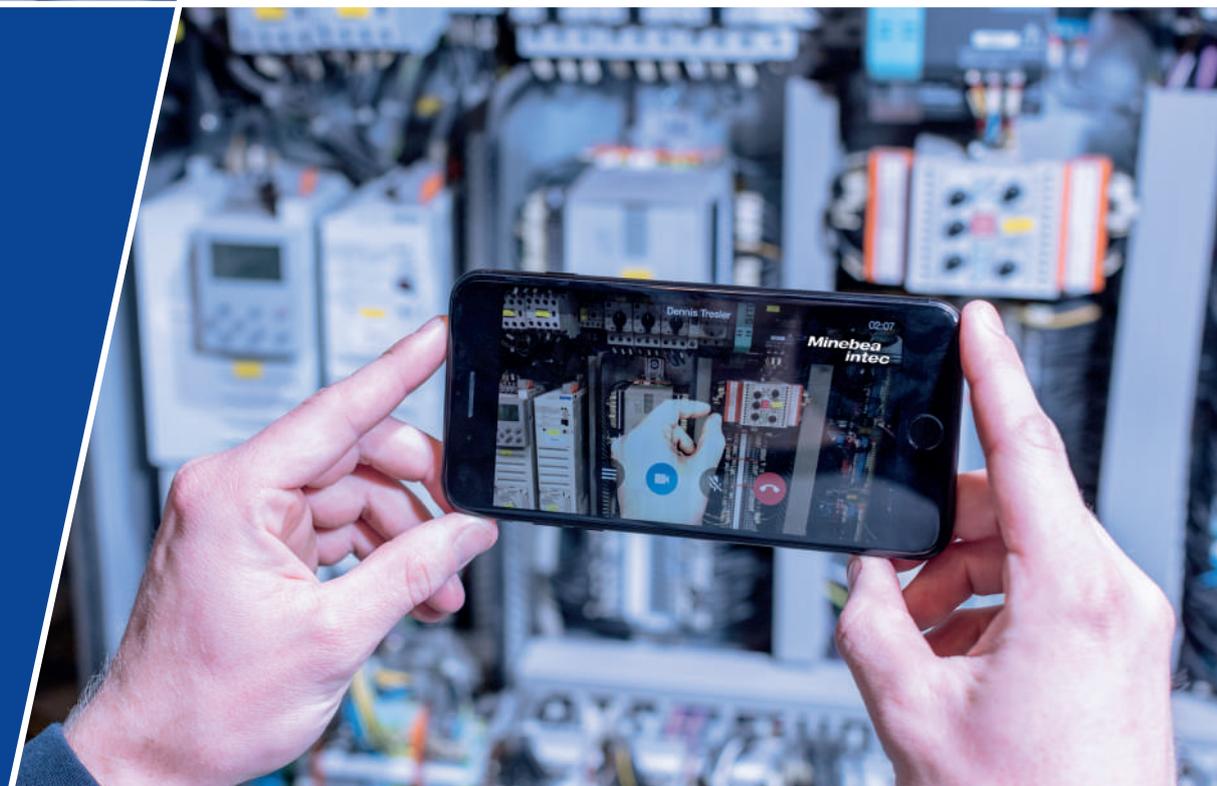
- Practical training content that reduces operating errors, downtime and maintenance costs and therefore increases the performance of the equipment and the efficiency of the line
- Seminars providing knowledge of regulations and technologies

academy
by Minebea Intec



Maintenance and repair – for guaranteed availability and performance

- Calibration or verification preparation of equipment and systems according to statutory requirements for measuring technology
- Preventative maintenance safeguarding continued availability and performance
- Repair services, including emergency service contracts for a guaranteed response time
- Professional replacement parts service
- Remote services such as the service tool miRemote based on augmented reality – for first-line support on site



Everything from a single source

Minebea Intec provides products, solutions and services to improve the reliability, safety and efficiency of production and packaging lines in virtually all industries.

From goods receipt to goods issue – our portfolio comprises a variety of automatic and manual weighing and inspection solutions, software and services for a wide range of applications and industries.

Process weighing and automation

- Vessel and silo scales
- Components for truck scales
- Bench and floor scales
- Batching and formulation

Quality assurance

- Checkweighers
- Metal detectors
- X-ray inspection systems
- Statistical process control

Services

- Technical support
- Commissioning
- Maintenance and repair
- Upgrades
- Training courses



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