

Best Practice

Successful planning and installation of legal-for-trade truck scales



When it came time to designing, engineering and installing thirteen truck scales in the outgoing goods area of one of its largest feed processing plants, New Hope Group relied on Minebea Intec's products and expertise.

Key facts

New Hope Group owns many feed processing plants that produce and supply feed to a large number of animal farms. For their considerable turnover, Minebea Intec supplied a comprehensive truck scale solution.

Application

A truck scale is installed in the unloading station to weigh the feed for legal-for-trade. The empty truck enters the scale to determine the tare weight. Then the Maxxis 5 weight controller ensures that the correct amount of feed is loaded.

Products

Truck scales for capacities from 60 to 100 tons equipped with

- Load cells PR 6224 Pendeo® Truck
- Weight controller Maxxis 5

Customer benefits

- Precise weighing results of legal metrology
- High-quality products, easy to maintain
- Engineering, set-up and calibration support from Minebea Intec

The customer

The New Hope Group was founded in 1982. The company's mission is to build an environmentally friendly, sustainable and world-leading food and modern agriculture company. Today, New Hope Group owns 600 plants around the world and its annual sales exceed CNY 160 billion.



新希望集团
NEW HOPE GROUP

Project goal and implementation

In Liaoning province, China, New Hope Group has several manufacturing sites where feed for agricultural animal farming is processed. The feed is stored in silos and filled at the goods-out area into trucks. To ensure precise filling of the feed quantities, the company commissioned Minebea Intec to build thirteen truck scales that control the entire filling process.

In China, Minebea Intec offers a complete portfolio of truck scales including decks. From the beginning, Minebea Intec has been involved in the construction of the discharging station. The team not only provided the drawings for the construction of the pit, but the senior technical engineers who provided on-site guidance and management. Following the successful inspection of the pit, the truck scale, which was manufactured and tested at the Minebea Intec factory, was transported to the customer sites located two thousand kilometers away.

“Without Minebea Intec’s service staff, our feed filling station would not have been up and running so quickly. I really enjoy working with them.”

Mr. Mao, Station Manager New Hope Group Liaoning

Due to the limiting structural conditions on site, it was not possible to use a crane to lift the truck weighing platform. Therefore, the Minebea Intec technicians used a differential pulley to push the weighing platform into the discharging station.

Thanks to the digital auxiliary technology of the Pendeo® truck scale load cells, commissioning became very simple and straightforward. The Maxxis 5 weight controller was integrated to the customer’s system to signal when the target weight is reached. In addition, the weight controller can easily identify eight load cells under each platform and monitor their status to ensure process safety.

After installation, Minebea Intec also helped New Hope Group pass calibration.

The local metrology office performed the off-center error, linearity, and full scale tests without any problems. All parameters met the metrological requirements and the label for legal trade use was issued immediately.



Efficient weighing and filling processes are key at New Hope Group’s discharge station



At the New Hope Group site in Liaoning, Minebea Intec successfully installed a total of thirteen truck scales

Contact the experts
mkt.siwe@minebea-intec.com



If you’re interested, please email
sales.hh@minebea-intec.com

Minebea Intec GmbH | Meiendorfer Strasse 205 A | 22145 Hamburg, Germany
Phone +49.40.67960.303 | Email info@minebea-intec.com



www.minebea-intec.com



Minebea
intec
The true measure