



Delivering precision during the crisis: Minebea Intec is supporting global vaccine production

(09/02/2021) Since the coronavirus pandemic broke out, the global economy has been turned on its head. Due to the impact of the pandemic, once sturdy structures such as importing, exporting and supply chains have proven to be fragile at times.

Across the world, manufacturing industry has been reporting steep cuts. Are all industries affected? No, not all of them. Individual manufacturers such as Minebea Intec are demonstrating the highest level of performance at this time where it is needed most.

At present, we are all placing our hopes in the vaccine output of the pharmaceutical and biotech industry. The world awaits a real solution to the coronavirus pandemic with a vaccine for the entire population promising to be that long-awaited turning point. Corporations around the world are working under immense pressure to develop and produce reliable vaccines. They are supported by suppliers such as the global manufacturer of industrial weighing and inspection technology, Minebea Intec. Based in Hamburg, they produce specialist technologies that are precisely tailored to the needs of its customers in these sectors. Their equipment and systems weigh mixing containers, check packaging in accordance with the most stringent hygiene requirements and allow standardised, accurate processes to be implemented along the entire production line.

Safe processes with the utmost discretion

The details of production are, of course, a trade secret. "Outside of the industry, our technologies aren't well known," Willy-Sebastian Metzger, Director of Marketing, Strategy and Business Developer at Minebea Intec explains. "Information about which machines ensure the quality of production processes gives people an insight into methods that companies are not keen to disclose, which is why our customers generally insist on confidentiality." This means, in the current coronavirus coverage, that Minebea Intec technologies themselves are barely visible. The fact is, however, that high-precision results play a key role. "Minebea Intec equipment and systems are integrated into the major production lines of the American vaccine manufacturers. The same goes for all three of China's production plants, including that of CoronaVac producer Sinovac Biotech."

High-precision, repeatable processes are an important part of developing and manufacturing vaccines. For this purpose, Minebea Intec provides research and production departments with specialist technologies and hygienic designs that meet global standards. One example is load cells installed under bioreactors and connected to evaluation electronics to ensure the perfect mixing ratio of raw vaccines and other substances. Other, dynamic weighing solutions ensure that the filling quantity of the vaccine doses is correct.

Commitment to the rapid supply of vaccines

Minebea Intec is currently experiencing a high order volume from pharmaceutical and biotech customers. “We’re proud to be able to play our part in the fight against the pandemic and are totally committed to delivering orders to the best of our ability – and we’ve been very successful in this so far,” Willy-Sebastian Metzger commented, keen to highlight the commitment of his company. In addition, an increasing amount of Minebea Intec equipment is being used by manufacturers of rapid COVID tests. The industrial weighing and inspection technologies safeguard the manufacturing processes of many industries. Wherever automated manufacturing processes are implemented, measuring points are integrated into the system as it operates: under process containers or conveyor belts, with the use of comprehensive software solutions. The interaction between scales, sensors, metal detectors and X-ray inspection systems ensures consistently high quality for consumers. (More information is available at www.minebea-intec.com)

Image material



SinuVac_Production_300dpi

The manufacturer Sinovac Biotech is producing the CoronaVac vaccine using dynamic checkweighers from Minebea Intec



vaccine_300dpi

The Chinese biotech company CanSino was one of the first to carry out clinical trials on a potential COVID vaccine. Minebea Intec is supporting this project with high-precision weighing technology



Minebea Intec_production detail_300dpi

Based in Hamburg, Germany, Minebea Intec offers its customers in various industries custom weighing and inspection technologies



Willy-Sebastian Metzger_300dpi

Willy-Sebastian Metzger, Director of Marketing, Strategy and Business Development at Minebea Intec

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