

Essentus: the affordable checkweigher for versatile applications

With Essentus, Minebea Intec, the global provider of innovative weighing and inspection technologies, offers a new dynamic checkweigher that with its wide range of options can be tailored to individual application profiles. No matter whether for heavy or light products, for example, in the food or chemical industry: customers can choose exactly the checkweigher that suits their application. There is great potential for savings in combinatorics.

The Essentus checkweigher is the latest addition to Minebea Intec's inspection portfolio. The dynamic checkweigher ensures precise monitoring of weight and completeness and has been specially developed to better meet the different needs of customers now and in the future. Many users have clearly defined requirements and need a simple and affordable checkpoint on their production line. Others are looking for an inexpensive entry-level model to take advantage of 100 percent sampling. For all their applications, Essentus offers an ideal solution with German Quality and at a highly attractive price.

An innovative solution that is always as affordable as possible

The secret of Essentus is that it focuses on the essentials. The in-line checkweigher is therefore initially available in two versions: the Essentus efficiency offers basic features, while the Essentus performance offers advanced functions. Both devices are also available for different weight classes: one is the L version, which is suitable for light products weighing up to six kilos – and the other is the H version, which can be used to weigh heavy products of up to 60 kilos. What both versions have in common is their high weighing precision and robustness, the simple and intuitive operation as well as maximum reliability thanks to the latest generation of strain gauge technology. The customer has a choice of different conveyor belt lengths from 300 mm to 2,100 mm and conveyor belt widths from 50 mm to 900 mm, making the checkweighers suitable for a wide range of applications.

Essentus efficiency: simple, reliable and versatile

The Essentus efficiency was developed to reliably master basic weighing tasks of checkweighing. Customers can rely on Minebea Intec's proven conveyor technology. A clearly visible, optional LED traffic light offers ease of operation and indicates the weight classification in underweight, good weight and overweight – in addition to the display doing so. Apart from checkweighing for individual products, the scale can also be used for completeness checks at the end of a production line. The operating unit is equipped with an LCD display, can store over 100 different products and can also be mounted separately from the scale on request. The single weights are transmitted via the RS 232 interface. Alternatively, the RS 422, RS 485, Profibus-DP and ProfiNET interfaces are also available.

Essentus performance: advanced features, advanced connectivity

Along with the functions of the Essentus efficiency that it has, the Essentus performance offers a clear plus in further features. This includes a possible control of upstream filling systems. In addition, the standard version of the model provides a sufficient variety of statistics for most applications to meet all requirements for production monitoring and data evaluation. The detailed analyses can be seen at a glance directly on the LCD colour graphic display. The automatic speed adjustment allows the scale to be integrated into existing production lines. Operation is also easy: the learning mode allows even untrained personnel to easily create new products and guides them step-by-step through the process.

To be continued: a certified version is expected later this year

With the four Essentus models, Minebea Intec's product development is not yet complete. In the medium term, all models of the Essentus checkweigher will also be available to meet the Measuring Instruments Directive. This will significantly increase the number of possible applications once again.

More information can be found at www.minebea-intec.com.

Footage



(Caption)

Essentus efficiency in version H for heavy products up to 60 kg: Reliable weighing for simple basic applications at an affordable price



(Caption)

Essentus performance in the L version for light products up to 6 kg: Extended functions for individual requirements and increased operating comfort

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