



TQS - "The measure of all things"

Track & Trace solution "Traceable Quality System" by OCS Checkweighers successfully operating at Aenova

Aenova Group is one of the world's leading pharmaceutical and healthcare companies. As the European market leader in the business-to-business area, the group relies on high quality standards, innovative technologies, and a clear focus on the future. These are the reasons why, with the coming serialization requirement for drugs, it has chosen to trust in the proven success of "Traceable Quality System" (TQS), the Track & Trace solution realized by OCS Checkweighers.

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CHECKWEIGHERS

A Wipotec Brand

Aenova employs more than 4000 employees at 20 locations. Alexander Pohl is the manager of the corporate packaging department and remembers his first contact and the start of the good support from the OCS sales team. In addition to the very good service offer, it was the competent, open, and

control, the product moves on to the highly accurate weight control, which confirms the completeness of each individual folded box. Packages that have a coding error or an incorrect weight are independently separated and diverted into lockable collection containers.

The integrated system for complete aggregation

The individual bundles eventually reach the TQS-CP, the case packing component of the Track & Trace integrated solution from OCS (see right picture). The TQS-CP handles the aggregation in the area of manual packaging. This is where the separate bundles are initially packed layer by layer into a shipping carton. After each layer is completed, the fully integrated camera takes a high resolution photo (16 megapixel) of the full surface area showing all of the individual codes in that layer. After all layers of the shipping carton have been processed, the aggregation is closed out and a label is automatically generated for the shipping carton.

transparent dialog that contributed from the start to giving OCS a major advantage over the competition. "Ultimately, it was the innovative operating concept," said Alexander Pohl, "which is really simple and easy to learn."

All system components of TQS can be controlled directly from one, convenient software interface without switching programs. "That is what made it the clear winning bid," remembered Pohl.

Serialization and completeness check all in one unit

Dr. Peter J. Vogel is the director of the Temmler factory in Munich, where an anti-inflammatory drug moves along on the conveyors and must be provided with a special code for export to China. He also appreciates the cooperation with OCS Checkweighers and the successful deployment of TQS in the existing production area. There, the folded boxes are received in an exact and stable position after being filled by the upstream cartoner and placed on the advanced, fully adjustable and perfectly synchronized top conveyor.

This high precision product transport is absolutely necessary for 1D coding (which is difficult in any case) at transport speeds of up to 60 m/min. First class grading (minimum "B") with subsequent verification can now be achieved. If there are no complaints about the coding from the camera

Both processes – serialization and completeness check – are performed on the TQS-HC-A, a component of the Traceable Quality System, which combines perfect product labeling with the high precision and globally respected weighing technology.

The Weigh Cells used in the TQS operate on the principle of electro-magnetic force restoration (EMFR). This process provides significantly faster settling times and, consequently, faster measurement results than comparable methods of dynamic weighing on an industrial scale.

At Aenova, up to 300 folding boxes per minute are reliably checked for exact weights (OCS weighing technology - as in the food sector – is capable of weighing up to 640 pieces per minute). After the cartons have successfully passed the TQS-HC-A, they are packed by stretch banding into bundles with 10 cartons per bundle. Subsequently, these bundles are forwarded to the next Track & Trace component TQS-BP for implementation of the first level of aggregation.

This is where the serial numbers of all ten individual cartons are summarized to create a separate and unique serial number for the bundle. This label is applied to the bundle (see left photo), before completing the final steps of multi-code reading of the serial numbered individual packages and then the verification of the bundle label.



All TQS system components can be controlled directly from one, convenient software interface without switching programs. Furthermore, each separate TQS component on the production line is networked by the Line Manager.

Alexander Pohl is excited about the successful installation of the Track & Trace integrated solution from OCS Checkweighers, which he described as a flexible, dynamic, and innovative company. "We feel that we are in good hands with OCS," he said in referring to the relationship of trust that was quickly established between Aenova and the high-tech specialists at OCS. The Aenova manager again emphasized the great advantage of the fully integrated control software, which eliminates the need to set up separate print layouts and image processing in each TQS component. Track & Trace solutions from OCS Checkweighers convinced us right from the start," explained Alexander Pohl. "It is a system that clearly helps us in implementing the mandated serialization."