

Tableting tools in a complete system - EasyCare from Fette Compacting

Schwarzenbek, August 22, 2022 – Tableting tools make a significant contribution to performance in tablet production. The production of high-quality tablets requires high-quality punches as well as segments or dies. To ensure that the tools are in top condition at all times, Fette Compacting has developed the EasyCare handling and care system. It offers a comprehensive solution for the safe, efficient and simple handling of tableting tools.

When it comes to tool handling, quality managers and regulatory authorities require permanent compliance with good manufacturing practices (GMP). With a GMP-compliant quality management system, manufacturers ensure product quality and meet the requirements of the regulatory authorities.

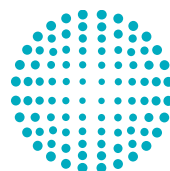
To meet these requirements, Fette Compacting and its specialized suppliers rely on a comprehensive and high-quality overall system. "We want to offer our customers GMP-compliant solutions for handling their tableting tools in all areas that can be reliably reproduced," explains Carmen Ackermann, Product Manager Tableting Tools at Fette Compacting. "We achieve this by maximizing the degree of automation and keeping the number of manual interventions as low as possible."

Safe transport in the tool case

The central element in this overall solution is the patented case system, which is designed according to the TRI.EASY principle. It comprises different types of cases for punches, segments and dies. The tools can be safely transported and stored in special trays. Users take them directly out of the case and place them in defined positions in the cleaning machine. Consequently, there is no time-consuming relocation and the risk of damage is avoided.

Automatic surge cleaning

For best cleaning results of tableting tools, chemicals and mechanical processes need to interact. The comprehensive system from Fette Compacting, ARUNA and Borer Chemie is suitable as a GMP-compliant solution. The trays with predefined positions for punches, segments, dies, bellows and dust caps fit exactly into the SDC cleaning system from ARUNA. With cleaning and corrosion protection agents supplied by Borer Chemie, the tools are cleaned and preserved without leaving any residue. This so-called automatic surge cleaning prevents cross-contamination and ensures maximum hygiene. Compared to the two other common cleaning methods – manual and ultrasonic cleaning – it impresses with the highest degree of operational reliability and reproducibility. In addition, all process steps are documented and can be verified in a report.



Mechanical reconditioning

After cleaning, the tools should be mechanically reconditioned to return them to optimum condition for tablet production. As part of EasyCare, a polishing machine from nortec is used. It ensures a higher degree of efficiency, maximum productivity and a lower risk of damage compared to manual polishing. It also prevents the tablets from sticking to the punches. Both the granulate used for this and the polishing paste are food-grade.

Easy and protected storage

After the polishing process, it is advisable to store the tools – ideally in the case system. These cases are easy to stack and offer protection from external environmental influences such as humidity and heat. What's more, the tools can be stored for even longer periods thanks to a special long-term preservative.

System-supported tool management

In addition to these coordinated handling and care solutions, the PartSite® tool management system from Gühring enables easy system-supported management of tools and machine parts. It stores information on the condition and availability of the tools and thus ensures reliable tablet production.

About Fette Compacting

Fette Compacting is the world's leading provider of integrated solutions for industrial tablet production. The company has its headquarters in Schwarzenbek near Hamburg. A second technology and production facility is operated in Nanjing, China. Fette Compacting is represented in more than 50 countries worldwide. It is a member of the LMT Group, a medium-sized, family-owned group of companies. 1,800 people work for LMT Group companies at over 20 locations worldwide. The Group achieved sales of 375 million euros in fiscal 2021.

More information at: www.fette-compacting.com

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