

New i Series extended by all-rounder - Premiere of the F20i tablet press from Fette Compacting

Schwarzenbek, August 22, 2022 – With its F20i tablet press, Fette Compacting is expanding the innovative range of the new i Series. The all-rounder is system-compatible, dust-tight and networkable. It also features numerous innovations, such as an optimized rotor change system and smart energy management.

In the form of the F20i, Fette Compacting is launching the third tablet press in its new i Series. As the youngest member of the series, it closes the gap between the flexible single rotary F10i and the high-volume F30i double rotary press. With up to 475,000 tablets per hour, the F20i is a true all-rounder within this trio. Optimized for fast rotor changes, it is suitable for a wide range of products and batch sizes, thereby enabling maximum flexibility in tableting.

“With the new i Series, we have developed tablet presses that lead the production of solid formulations into the future,” emphasizes Jörg Gierds, Senior Product Manager at Fette Compacting. “The F20i represents a highly-efficient addition to this pioneering project.”

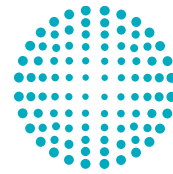
Fast rotor change and integrated tablet discharge

The F20i has been fitted with an optimized rotor change system. The removal of the rotor required for product changes can be accomplished in a matter of minutes. After the operator has moved the compression stations into the parking position, the rotor can easily be changed with the help of a removal carrier. This saves time and the machine can be back in production in no time.

In addition, the F20i – like the other machines in the new i Series – has a high-performance multi-format tablet discharge that is suitable for most common tablet formats. Thanks to the special shape of the diverter, the tablets automatically seek the path with the lowest frictional resistance. This actively prevents material jams. The new tablet discharge is designed according to the so-called Poka-Yoke principle and can therefore be disassembled and reassembled without tools.

Optimized design and standardized user protection

The F20i design is optimized for efficiency in all areas. For example, the number of cladding parts has been significantly reduced compared to the previous model, which minimizes the area to be cleaned and thus also significantly reduces the cleaning time required. This saves costs while minimizing the exposure of operators to active substances during machine cleaning.



Like the other machines in the new i Series, the F20i has been designed to be dust-tight as standard – from the pressing chamber to the connections between the machine and process equipment. A stable vacuum in the interior prevents dust from escaping from the machine. This protects operators from many types of exposure to active ingredients. If active or highly-active substances are to be processed, the F20i can also be equipped with a suitable Containment Guard option.

Cross-generational compatibility and networkability

The F20i is system-compatible across generations. Its process-related assemblies are the same as or similar to those of the previous model. This means that die and segment turrets can be adopted with minor modifications from the tablet press of the previous machine generation. Practical experience shows that this compatibility can reduce the time and effort required for the validation and qualification of a new tablet press from weeks to days.

In addition, the F20i has all of the technical prerequisites for networked use in a modern production environment. For example, the entire process equipment can be easily integrated using the plug-and-play principle. The open interfaces comply with the usual automation standards, enabling the machine to be integrated in a Manufacturing Execution System (MES) and the Internet of Things (IoT). With the SmartInterface app, production can be monitored in real time via mobile devices.

Intelligent monitoring for sustainable operation

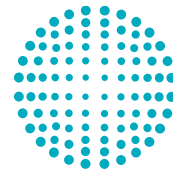
As a future-oriented innovation, all tablet presses in the new i Series feature a modern energy monitoring system. This means that power consumption can be recorded in real time and stored in the batch log together with other production data. Users can thus determine the kilowatt hours required for each product batch and derive detailed forecasts with regard to future energy consumption. Energy monitoring plays an important role today, among other things in cost analysis and planned sustainability measures.

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.

Presseinformation

Press release



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