Real-time data for better performance – the OSDi ConditionMonitor from Fette Compacting

Schwarzenbek/Düsseldorf, May 4, 2023 – Production data is generated everywhere. But how can users make optimal use of it? This is a topic preoccupying the OSDi team at Fette Compacting. With smart software solutions, users increase the efficiency, quality and safety of their production. The ConditionMonitor is a new app, which collects and intuitively visualizes the status of all production facilities in real time.

Availability, performance and quality are three central factors for efficient production, where users can make use of data collected in real time. This requires expertise, experience and the right technical solution (software). The latter is developed by the OSDi team at Fette Compacting.

The latest tool from OSDi is the web-based ConditionMonitor application, which is currently in the beta phase. It records the condition of each tablet press and displays the collected data. The software records real-time data from all connected machines, visualizes it on an intuitive dashboard, and makes it more accessible. This way, it provides users with an overview of central production parameters – at any time and, thanks to mobile devices, anywhere. The dashboard offers its own widget (menu item) for each parameter. From there, operators can switch to the detailed view with a single click.

Past and future data

The ConditionMonitor also compares current and historical data. Users can thus identify deviations at an early stage and take action before production comes to a standstill. The data from the ConditionMonitor forms the basis for

further analyses. With the help of artificial intelligence or machine learning, the app then derives targeted recommendations for action.

Limit values are defined within the tool and color-coded for even faster recording. Furthermore, it is possible to define ideal-typical batch production – the Golden Batch – for selected parameters and thus set benchmarks for production. On request, Fette Compacting supports its customers in creating a data basis for long-term analyses so that relevant deviations become immediately visible and also provides recommendations for threshold and limit values.

Key to intelligent maintenance

Like all other OSDi products, the digital experts developed the ConditionMonitor in iterative cooperation with customers. In this way, the application is optimally tailored to the customer's needs. The app forms the basis for incorporating further digital applications to even predict production and machine data in the future. This allows customers to change their maintenance strategy – away from fixed-time maintenance, where maintenance is always carried out at a specific time, to condition-based maintenance, which is based on the actual condition of the machines. The software predicts wear at an early stage and thus minimizes failures with downtimes.

Digital learning with alva

OSDi applications such as the ConditionMonitor are an essential component of a digital eco-system consisting of various data-based applications with which users can sustainably improve their machine performance, maintenance strategy, and production safety. In addition to machine performance, the OSDi offering also covers areas such as the training of new employees. The learning app alva improves the safety of machine operators by training them quickly and easily as well as qualifying them to work on the tablet presses. This is ensured by comprehensive content based on the

knowledge of experienced trainers and designers. Users thus receive first-hand, up-to-date, and precise knowledge.

About Fette Compacting

Fette Compacting is the leading international supplier of integrated solutions for industrial tablet production. The company has its headquarters in Schwarzenbek near Hamburg. Fette Compacting operates a second technology and production facility in Nanjing (China). Fette Compacting is represented in more than 50 countries worldwide. Fette Compacting 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 euro in fiscal 2021. www.fette-compacting.de

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