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About OSPHIM

OSPHIM develops software for the plastics processing industry with a focus on injection molding. The OSPHIM-App offers functions such as production data acquisition, live monitoring via dashboard as well as AI-supported parameter optimization and anomaly detection in series production. Developed by plastics engineers for plastics engineers, the user-friendly and low-threshold software enables data-based decision-making and makes a significant contribution to increasing efficiency and quality in plastics production.

OSPHIM's Products:

1. OSPHIM-App

The OSPHIM-App is the central user interface for the intelligent control and optimization of injection molding processes. It enables intuitive configuration, visualization and analysis of all relevant production data - regardless of location or end device.

A modern and user-friendly interface allows users to monitor process data in real time and detect deviations at an early stage. The OSPHIM-App offers powerful dashboards that clearly display machine status, key process figures and historical data. Interactive diagrams and analyses can be used to identify patterns and trends in order to continuously improve production processes.

A key feature is AI-supported process optimization. The OSPHIM-App uses data-based recommendations to support production employees in finding optimal process parameters and ensuring stable production. In addition, the integrated experiment module offers guided process adjustment to make targeted changes to machine parameters and evaluate their effects directly.

The OSPHIM-App has a flexible and modular structure so that companies only use the functions they really need. It can be seamlessly connected to the OSPHIM-Cloud, ensuring secure and efficient access to production data and AI-supported analyses.

2. OSPHIM-Cloud

The OSPHIM-Cloud is the scalable platform for the digital networking and optimization of injection molding processes. It enables central storage, analysis and management of production data and forms the technological backbone of the OSPHIM ecosystem.

The OSPHIM-Cloud uses powerful algorithms to process large volumes of data and provide valuable insights. AI models analyze historical and real-time data, detect anomalies and optimize processes through data-driven suggestions.

A particular advantage of the OSPHIM-Cloud is its open architecture. It allows easy connection to existing ERP and MES systems as well as external APIs. This allows companies to network their entire production environment and establish seamless workflows.

The cloud-based solution ensures maximum data security and at the same time enables global access to relevant production information. In combination with the OSPHIM-App, the OSPHIM-Cloud offers a powerful infrastructure for optimizing quality, efficiency and transparency in injection molding production.