

Predictive Services for Presses

Data analysis increases productivity and improves planability

Often it is the little causes that lead to failure. These problems can become expensive, for example if they shut down an entire production line. If the cause cannot be identified and corrected quickly, dependent production lines or cells can also remain standing still.

The solution can be found in predictive services that detect anomalies based on sensor data and foresee possible sources of errors before they can result in damage. Predictive Services for Presses is our three-stage offering for presses used in automobile manufacturing.

Modular solutions for automobile manufacturing

Our extensive experience as a provider of automation solutions for the entire drive train enables us to develop new services that lastingly boost your productivity. Since each press has a unique construction, our experts design precisely tailored concepts and data models to significantly increase transparency throughout the entire lifecycle.

Your benefits



Transparency:

Gain full transparency over the condition of your presses thanks to round-the-clock monitoring of your plant



Availability:

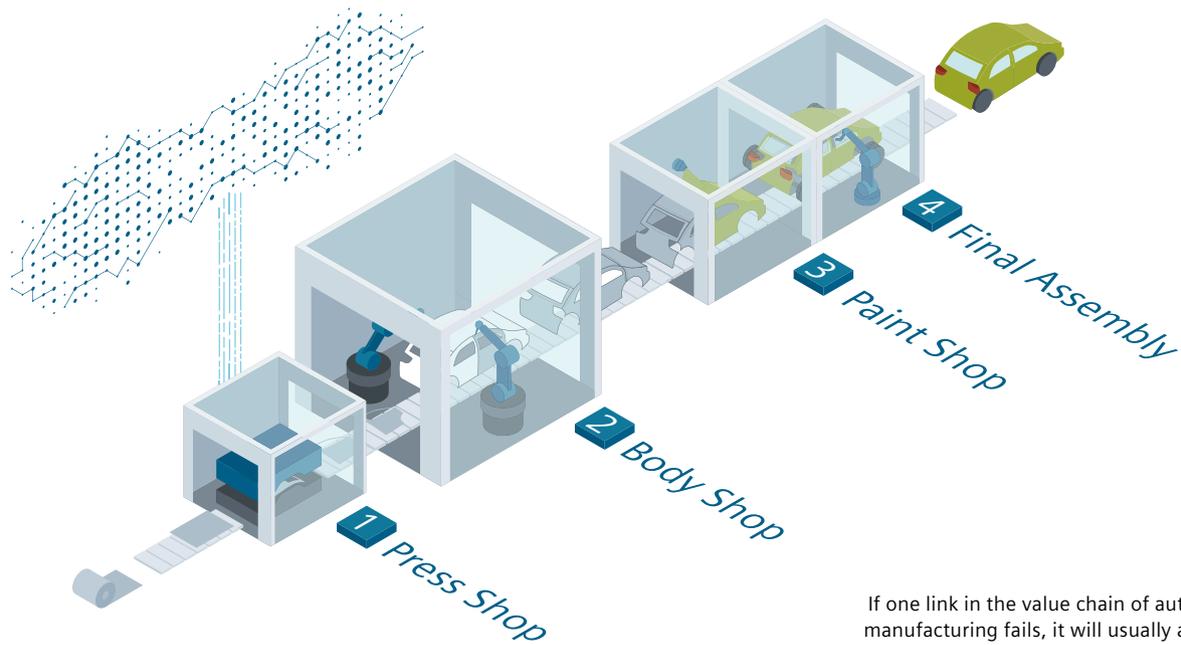
Increase plant availability thanks to condition-based and predictive maintenance



Planability:

Proactively avoid unscheduled production downtimes by carrying out maintenance work and repairs only when actually needed

Three modules for predictive services



If one link in the value chain of automobile manufacturing fails, it will usually also shut down the production of downstream stations

1. Connectivity

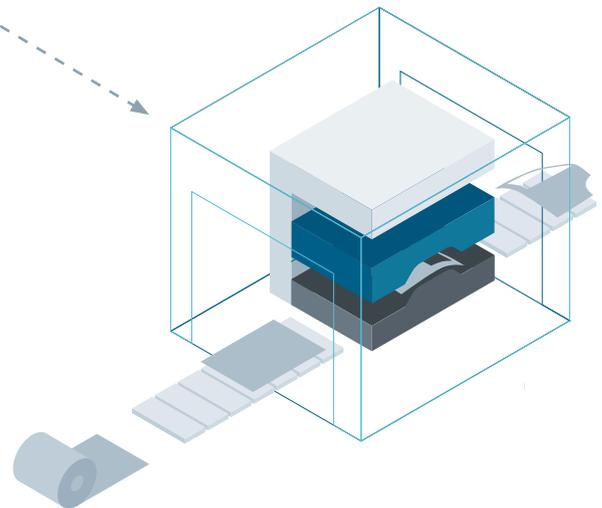
By designing and installing sensors and a condition monitoring system and by setting up edge or cloud computing, we ensure the connectivity of press stages in order to collect the necessary operating data.

2. Analytics

Expert-based analyses supply meaningful reports on the condition of your presses, including root cause analyses. We use artificial intelligence to analyze the ever-growing data volume. Our experts train adaptive algorithms, which are capable to detect anomalies that indicate possible faults. This can even be done across locations, which enables you to monitor the availability of different production lines.

3. Services

Based on the analytics, we offer the right services, such as spare parts and press modernization or the outsourcing of all maintenance activities to Siemens.



Siemens AG
Digital Factory
P.O. Box 48 48
90026 Nuremberg
Germany

Article No.: DFCS-B10157-00-7600
Printed in Germany | fb 7954
© 2018 Siemens AG

siemens.com/psp