

You can only manage what you can measure! With advanced analytics, Bühler Insights Error and Downtime Analysis (EDA) is able to deliver much more than an error list of your lines and equipment.

Keep an eye on your equipment availability and make sure that your operations are running smoothly.

Bühler's EDA provides insights for smart actions and is the basis for predictive maintenance and self-improving processes. Historical and actual data are collected, analyzed and visualized. Anomalies can be detected and the root cause of downtime can be explored easily. This fast and convenient tool helps you to identify improvement potentials and increases line and machine availability sustainably. All information is provided in a transparent way by showing trends and benchmarking.

EDA is available on Bühler's high performance digital platform Bühler Insights. There, data is collected, analyzed and transformed to valuable information about your operation. You have all the information at your fingertips and customized to your needs. Ultimately, predictive services and machine learning modules will help to improve quality and efficiency of your lines and machines even further. Bühler Insights is based on Microsoft's Azure cloud, providing maximum reliability and data security (ISO 27001 certified). Bühler Insights EDA is accessible on personal computers and mobile devices via

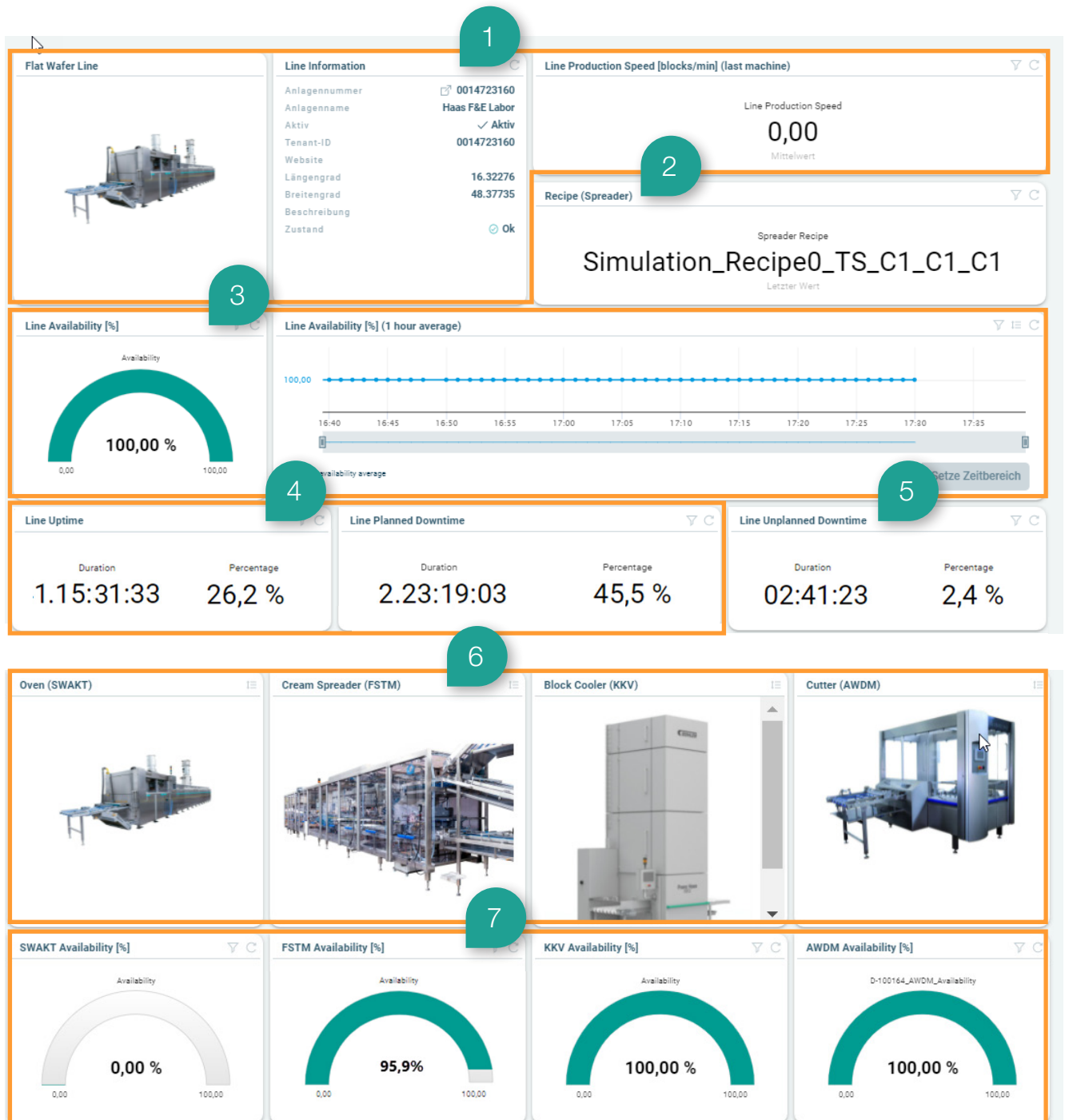
web browser. The modern and easy-to-understand graphics, and a high level of usability makes Bühler Insights EDA a simple, intelligent and individually usable tool. EDA helps you gather valuable information to save money and increase the uptime of your production equipment.

EDA at a glance

- Show availability of the line / machine
- Up- and downtime analysis
- Identify bottleneck machines
- Errors and warnings monitor
- Access to live and historic process data
- Root cause analysis of downtime
- Identify improvement potentials

The visualization does not only inform, it makes your line and machine transparent.

Line view



1 Line information

2 Recipe

3 Availability

4 Up and downtime

5 Unplanned downtime

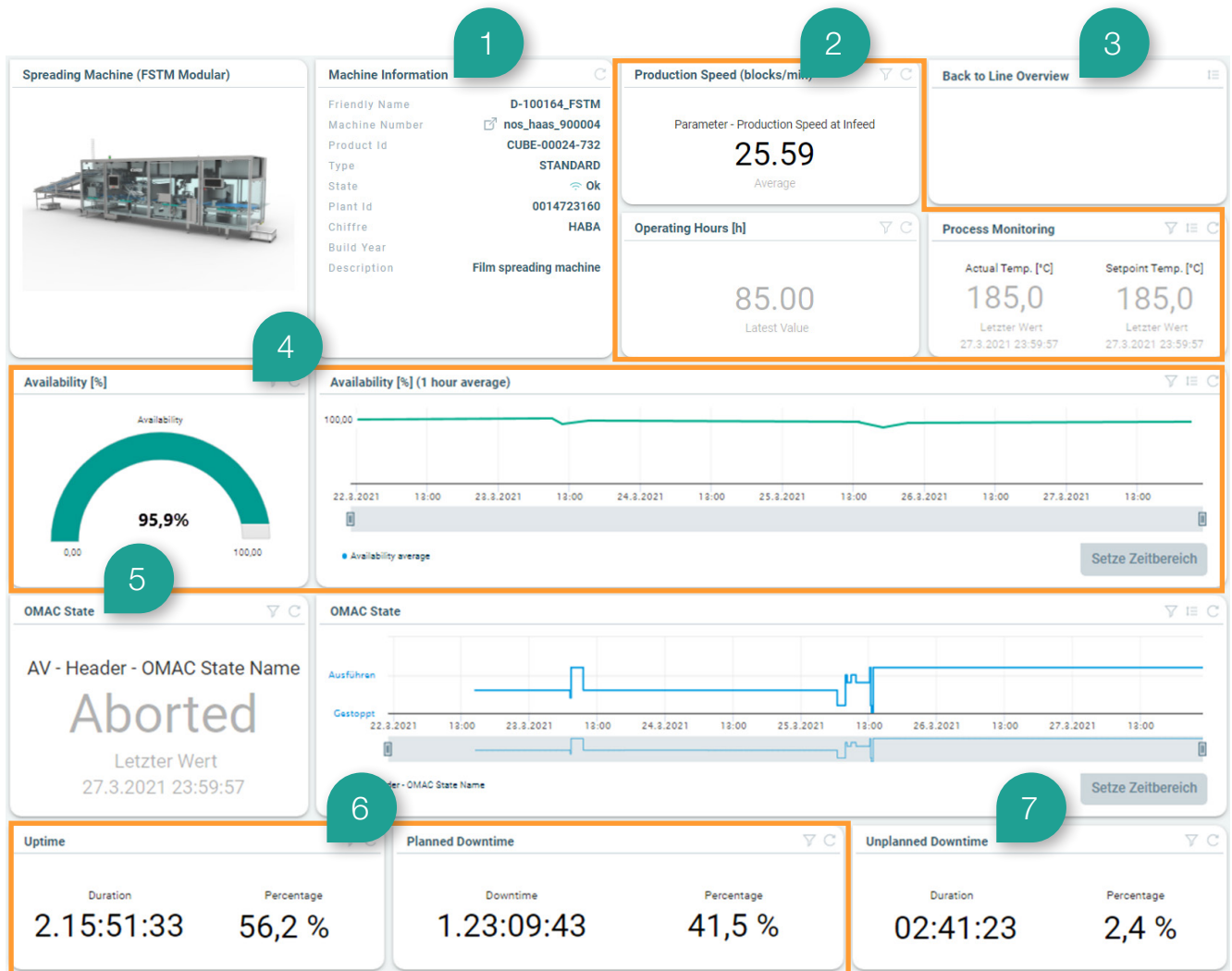
6 Machine information

7 Machine availability

Requirements

– Bühler Insights Connect

Machine view



- 1 Machine information
- 2 Key process parameter
- 3 Back to line overview
- 4 Availability
- 5 Alarms
- 6 Up and downtime
- 7 Unplanned downtime

Benefits



Identify improvement potential



Maximum reliability
and data security



Increase line and
machine availability



Smooth and easy
usability



Efficient problem solving



Transparency and
benchmarking

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