

SmartCMS.

The brain of the Digital Cell.

## Boost the productivity with our Cell Management System: SmartCMS.

### Why is managing the entire die-casting cell important?

For a number of years now, die-casting machines have offered more and more digital control options to give your operators better visibility of the machine.

But it is often a peripheral device, such as a sprayer becoming blocked, that causes a downtime in production. With a digitally controlled die-casting machine, that interruption may trigger an alarm. The operator now has to walk around the cell, identify the exact problem and, if possible, fix it. Once fixed, the operator has to reset each peripheral to its home position, before production can restart.

By thinking of the cell as one system, rather than a machine equipped with a lot of peripherals, such problems can be solved easier and quicker.

SmartCMS is now expanding the digital control to the entire die-casting cell. The Bühler FlexInterface with standardized protocol enables connectivity between the cell controller and the peripheral devices for extended information and data exchange.

### Benefits for your cell:

- **Increased productivity** and **improved uptime** through centralized data handling, monitoring and analysis
- **Improved OEE** with lower diagnostic time and effort
- **Enhanced efficiency** with faster set-up and production changes
- **Exceptional traceability** with improved product tracking through centralized data management

Paving the way for extensive improvements and advantages, SmartCMS can increase productivity and traceability. This can be achieved with improved product tracking through centralized data handling, monitoring and analysis. Faster set-up and production changes, and lower diagnostic time and effort can enhance efficiency and improve your cell OEE.

SmartCMS will also enable connection to Industry 4.0 smart factory systems and our Digital Services.

## SmartCMS will include

### Centralized user interface

SmartCMS gives the operator the possibility to view, control and program the entire die-casting cell from a single point. It is a web-based visualization, which can be accessed from numerous devices.

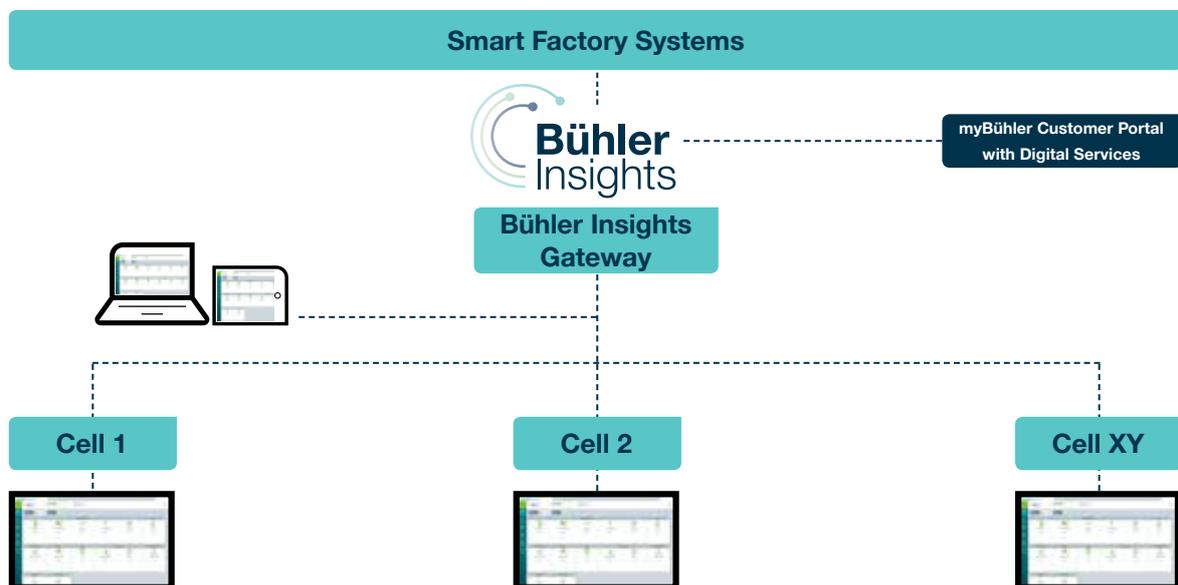
### Data management

It is possible to collect production and process data from all connected peripheral devices, to save data and to make it available centrally.



### Bridge to Industry 4.0 and Digital Services

Being part of your smart factory, SmartCMS will enable the exchange of information with higher level system and close the gap between ERP/MES and machine level. Furthermore, SmartCMS will be able to connect to Bühler Insights, the platform for our Digital Services.



Get in touch to discuss your specific needs  
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