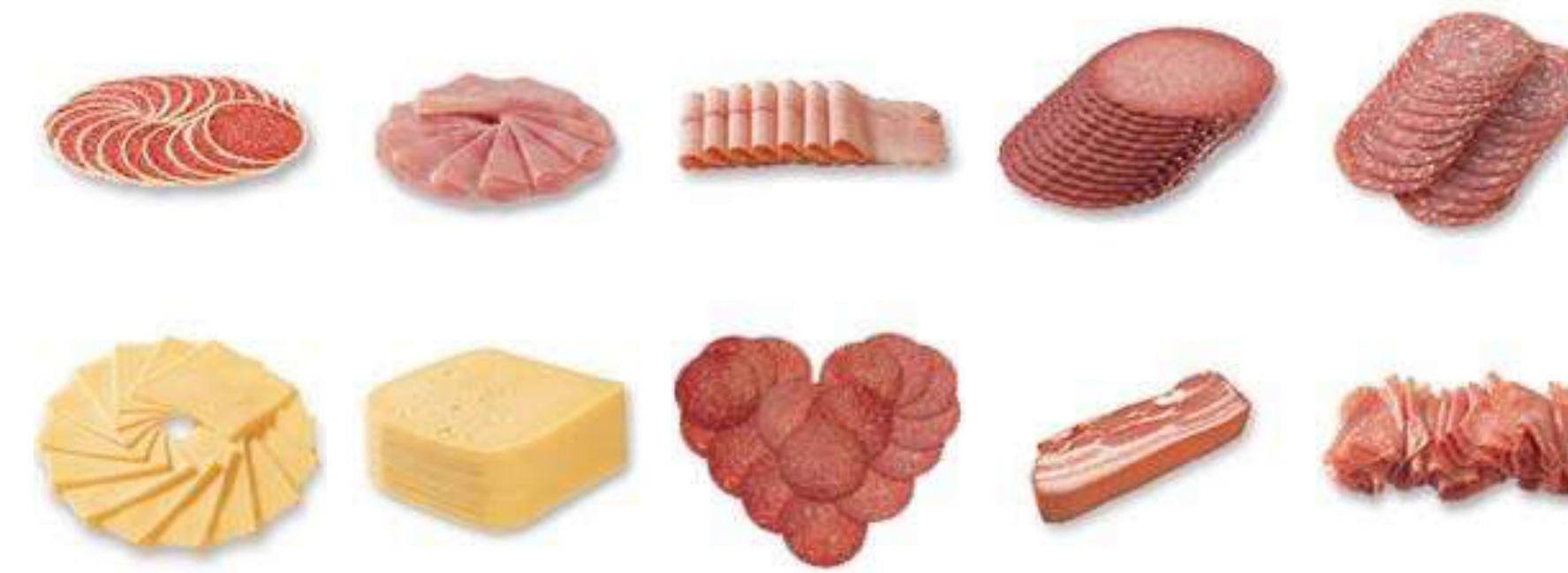
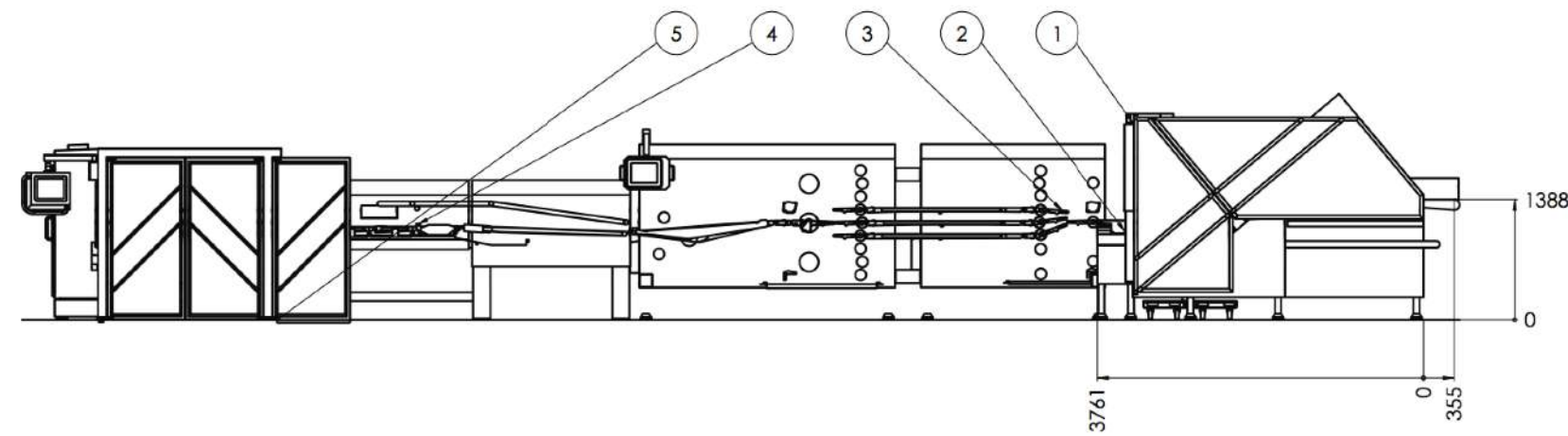
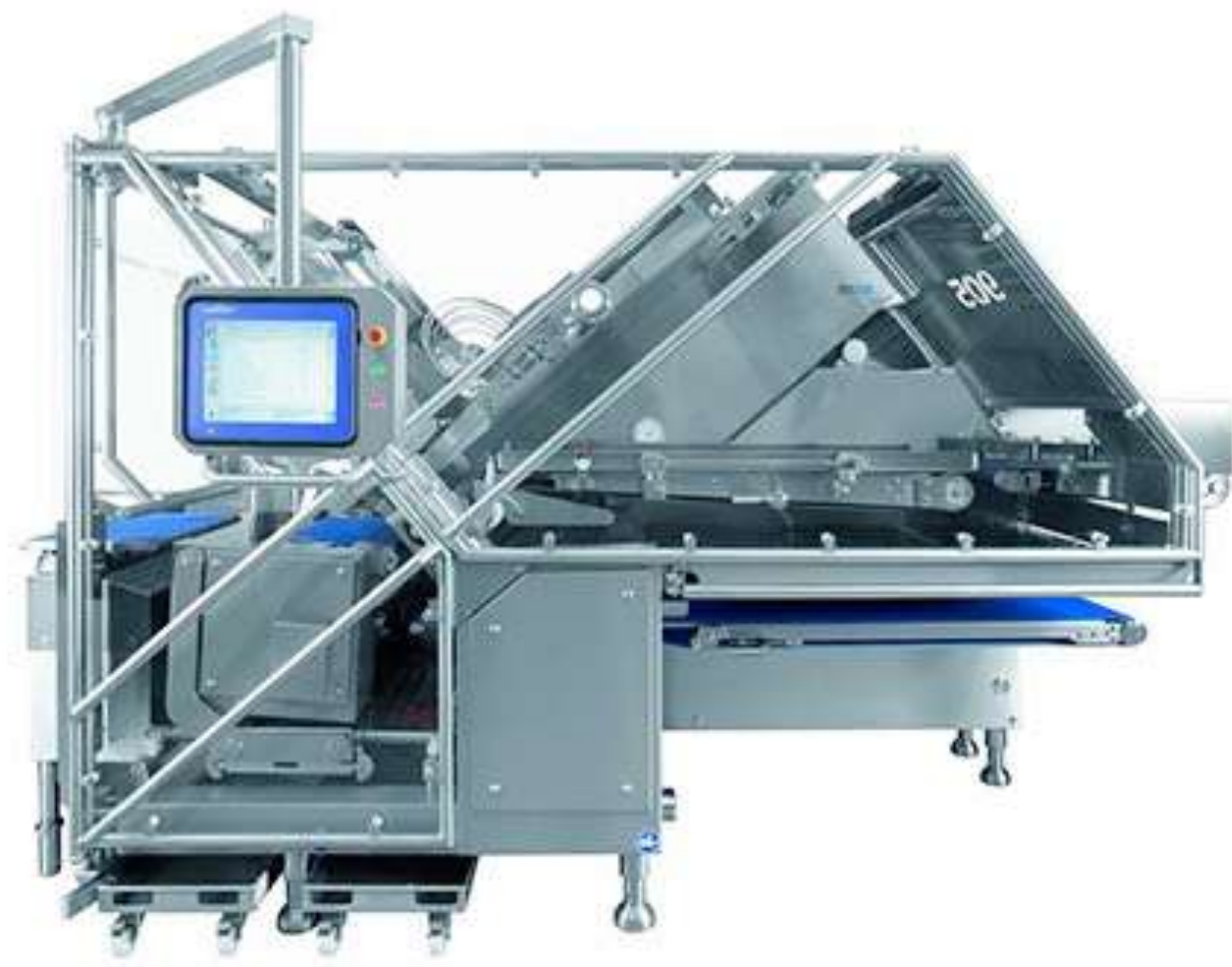




Weber Power Control

Touch-optimised user interface design for high-performance slicing machines.



Portion Variations



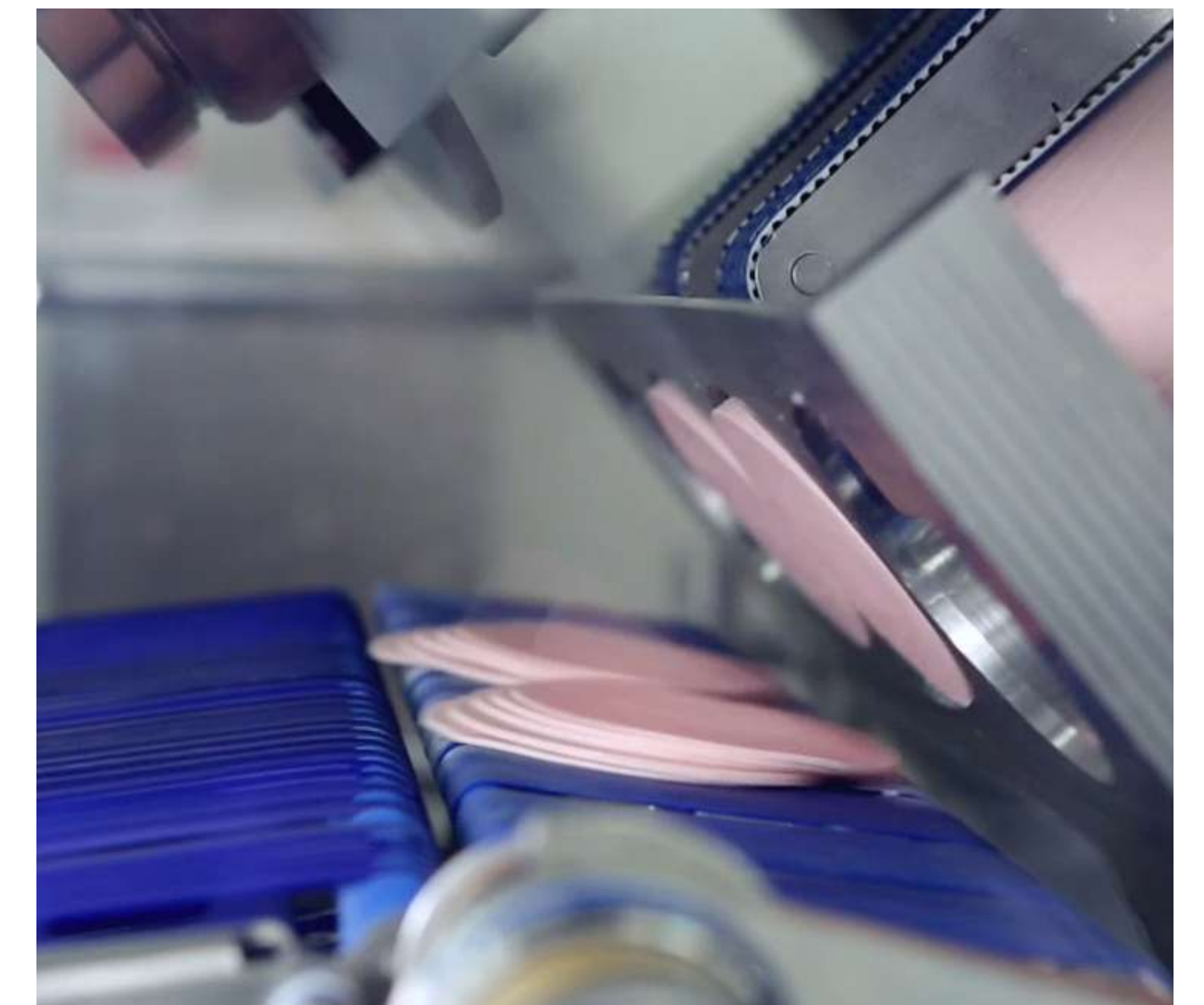
Portion transport to format and packaging



Single machine with old touch panel



Machine line with new touch panel

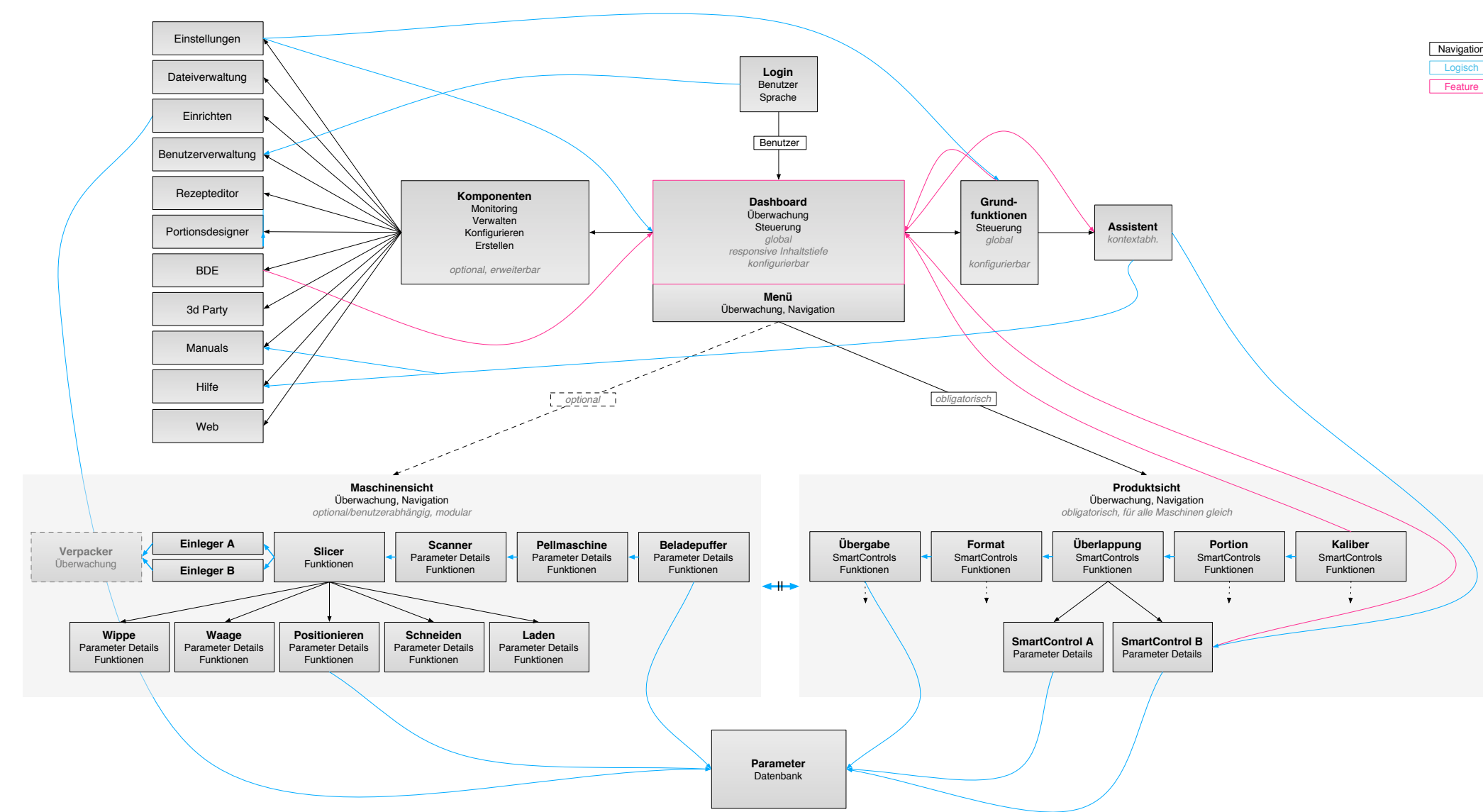


High speed slicing in progress

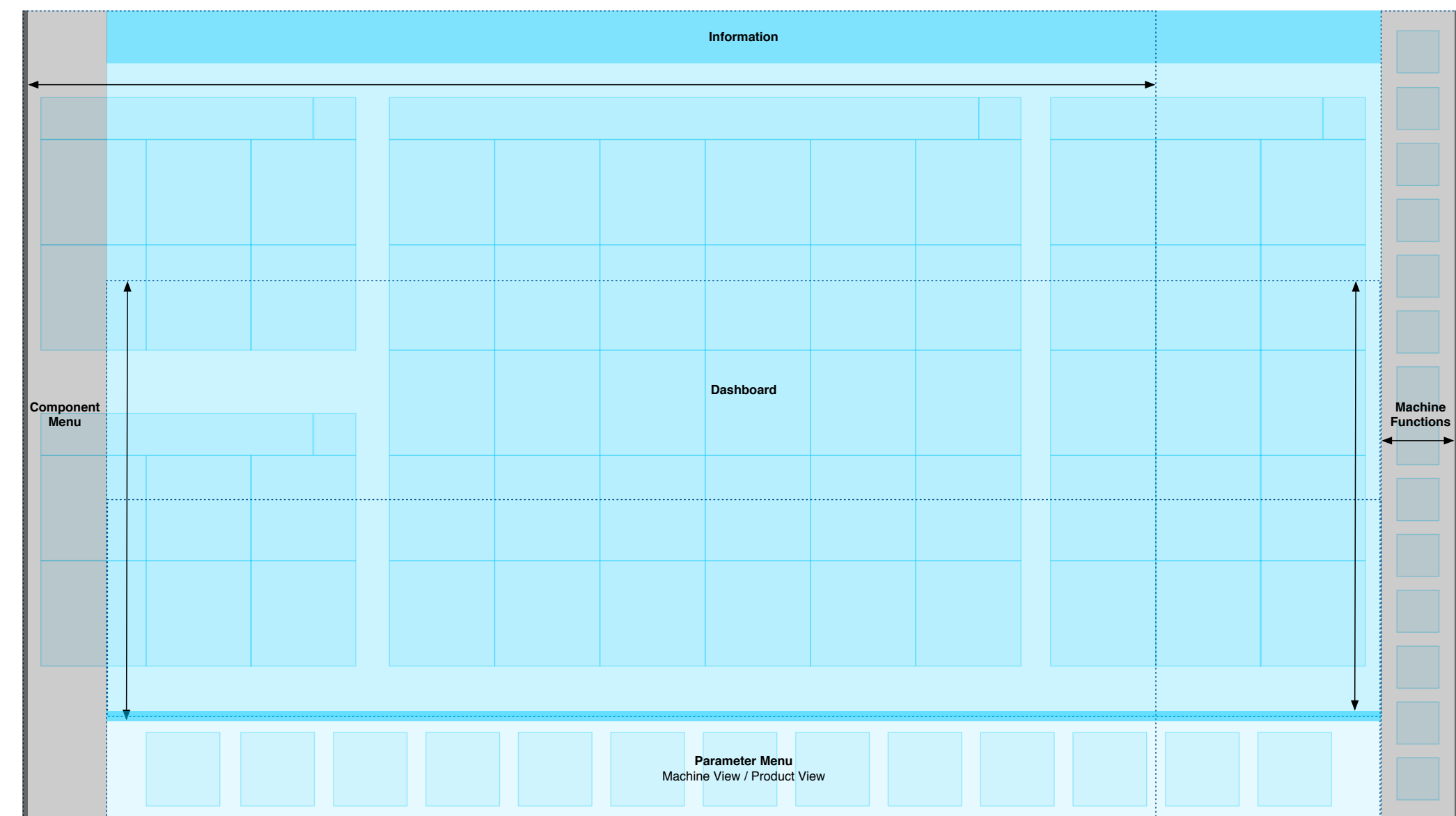
Weber Slicing Machines

The Weber Maschinenbau group manufactures and distributes special applications for the food industry. With their main product, the "slicer" for cutting meat, ham, sausages and cheese, Weber is the world market leader. The owner-managed company is headquartered in Breidenbach, Hessen.

Scope of this project was the development of a new user interface which can be adapted to 12 different machine types.



Information Architecture



Screen Areas - Wireframe

Swipe Gestures

Heart of the interaction is the dynamic page layout. It enables constant supervision of the most important production key figures on one central dashboard screen. Further functionality is outsourced from the regular operation but can be easily accessed by quick swipe gestures or clicks. Additional screen areas appear on demand.

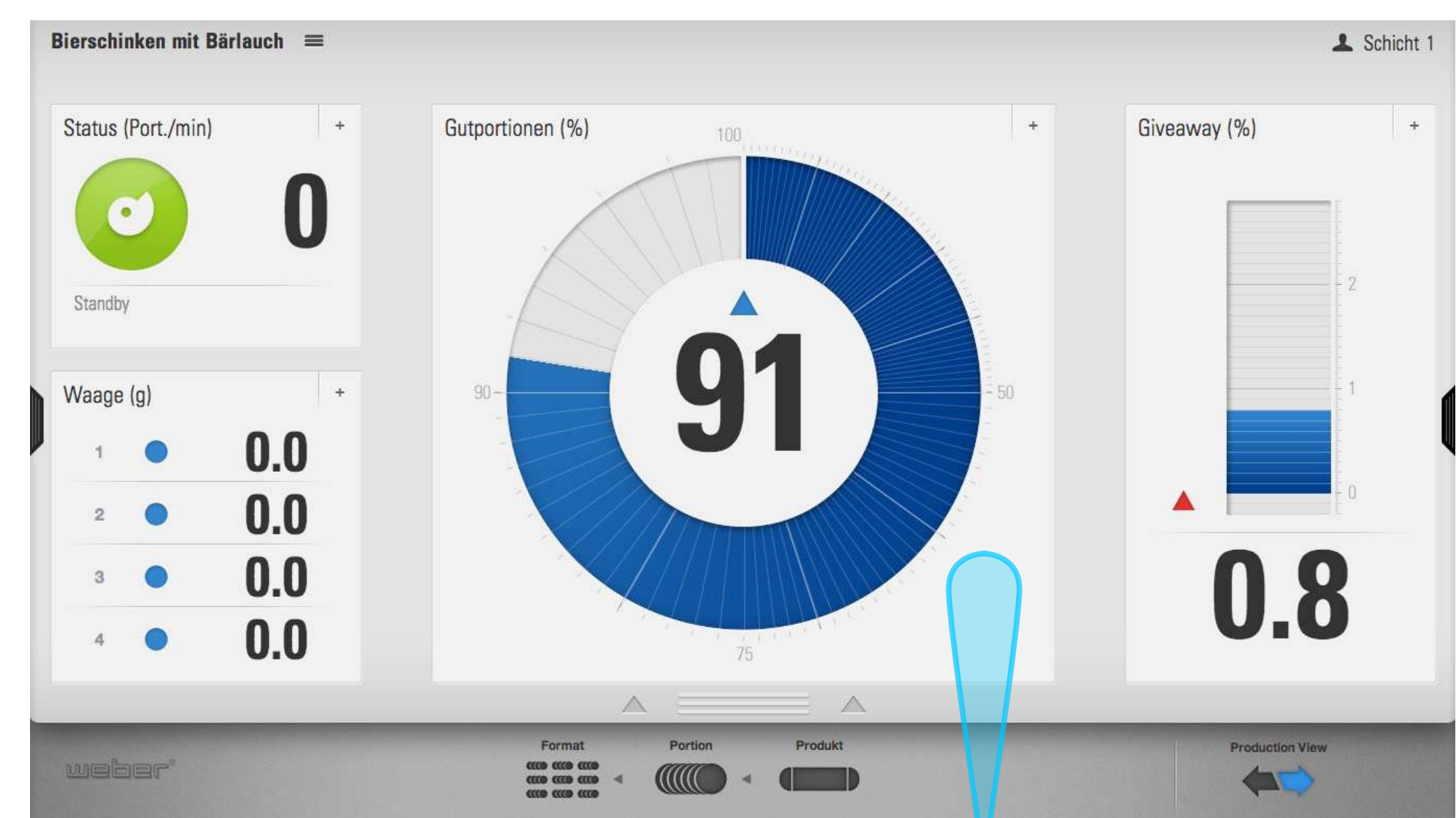


User Experience

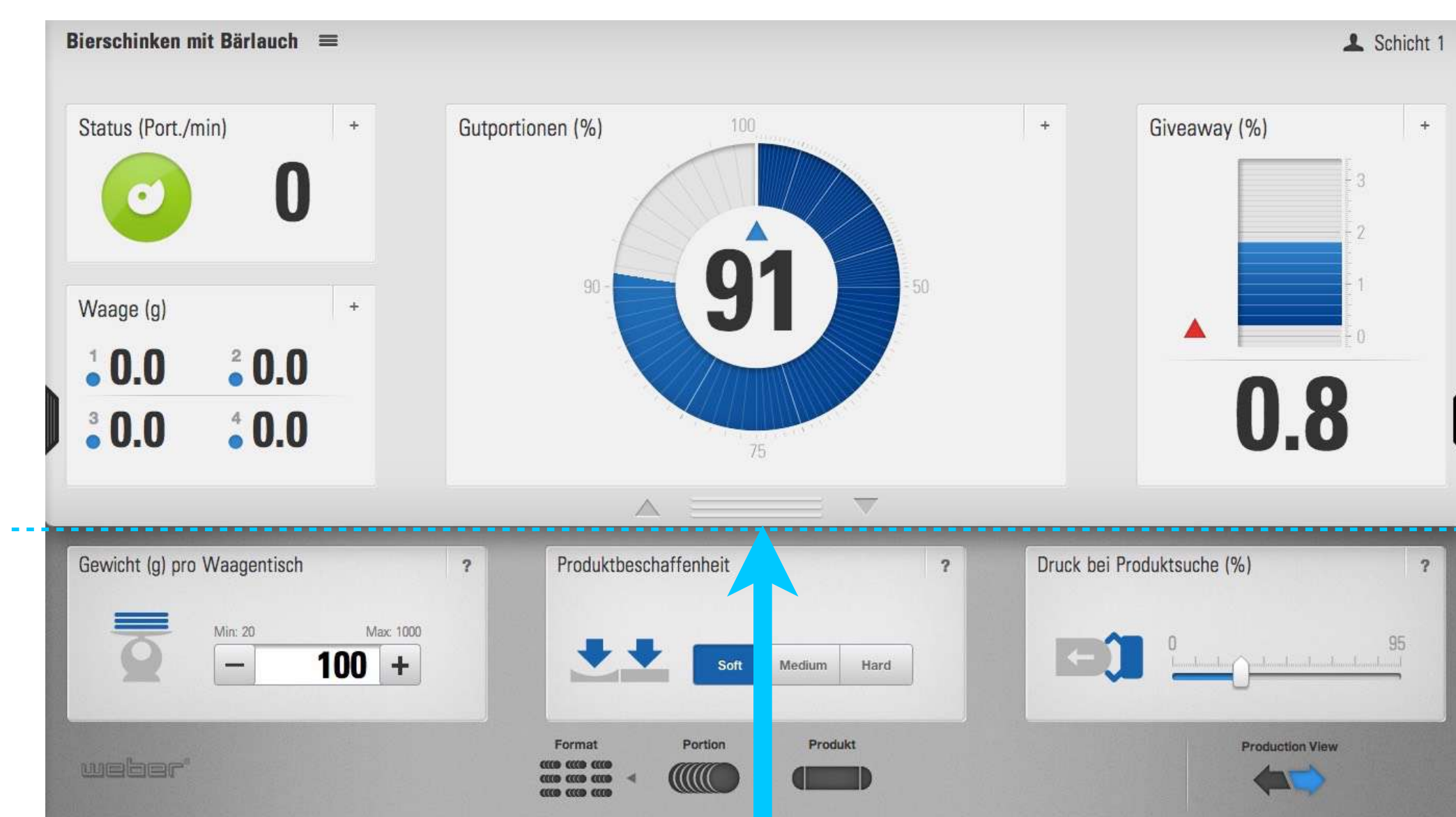
From Left Swipe or click to access the component menu (e.g. user management)

From Right Swipe or click to access direct hardware functions (e.g. on/off)

From Bottom Click to access the machine parameters (sorted by machine components or product processing steps)



Dashboard Overview - Vertical swipe gesture



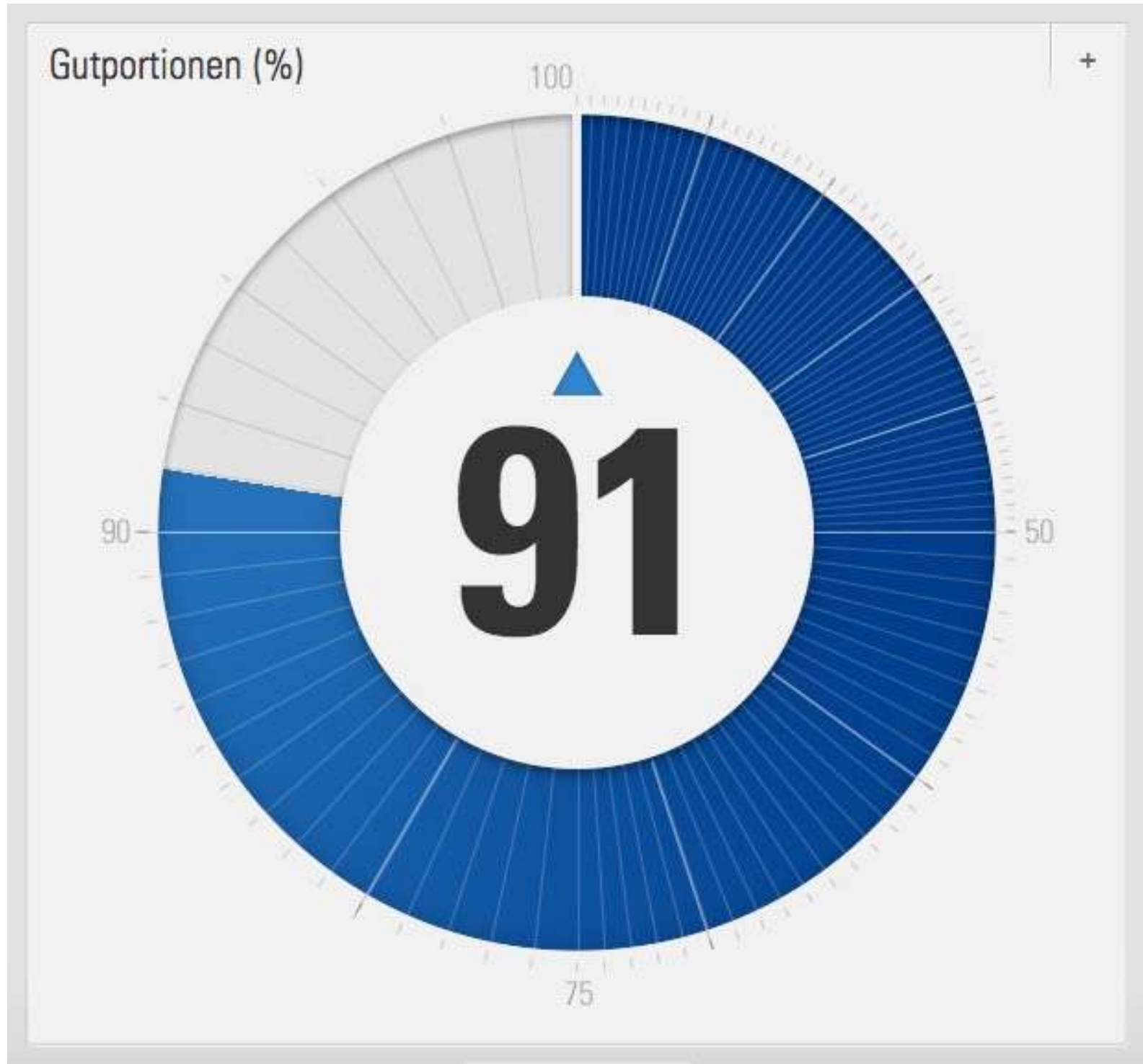
Access to featured parameters - Level 1



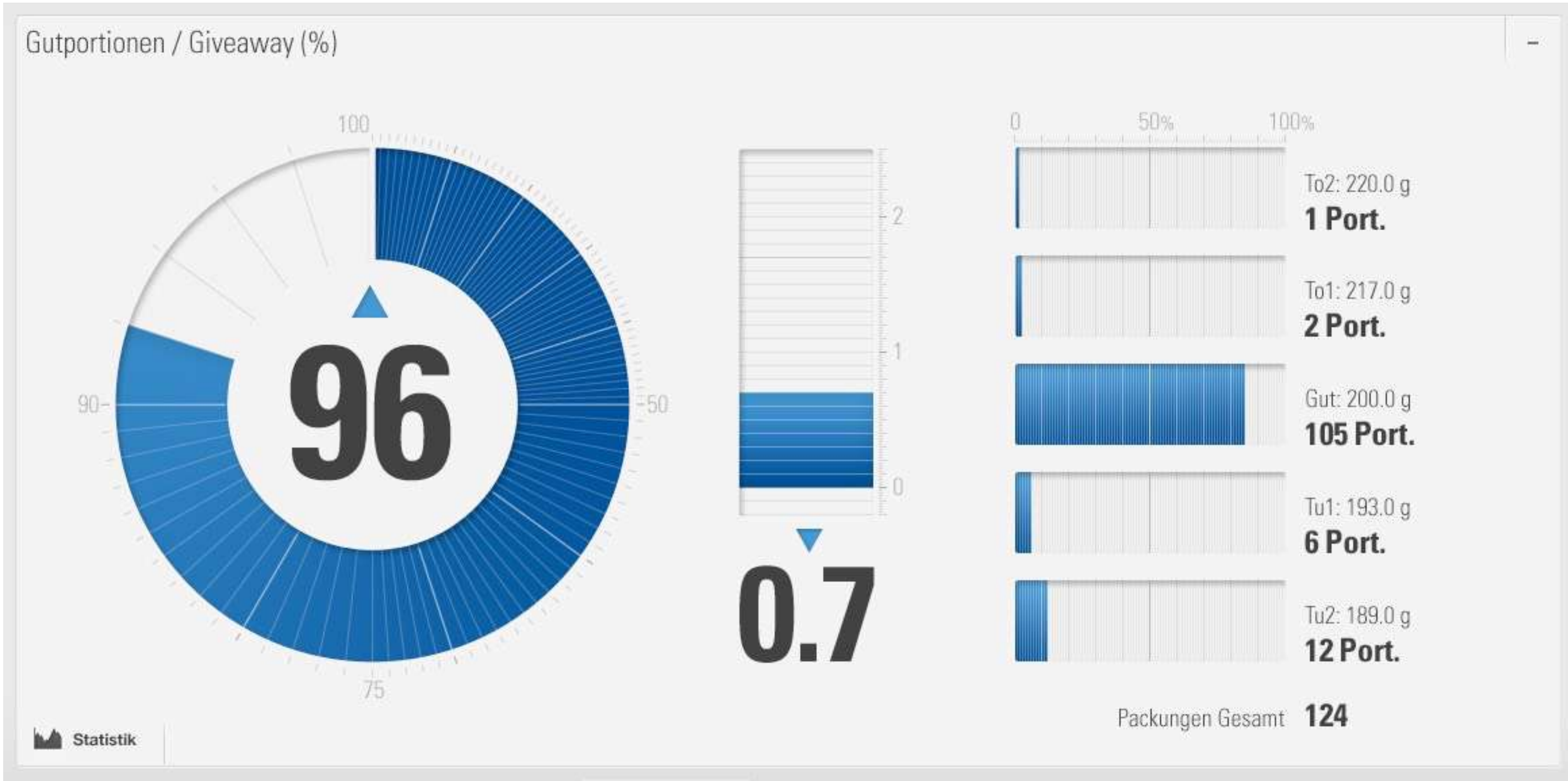
Access to featured parameters - Level 2

Flexible Dashboard

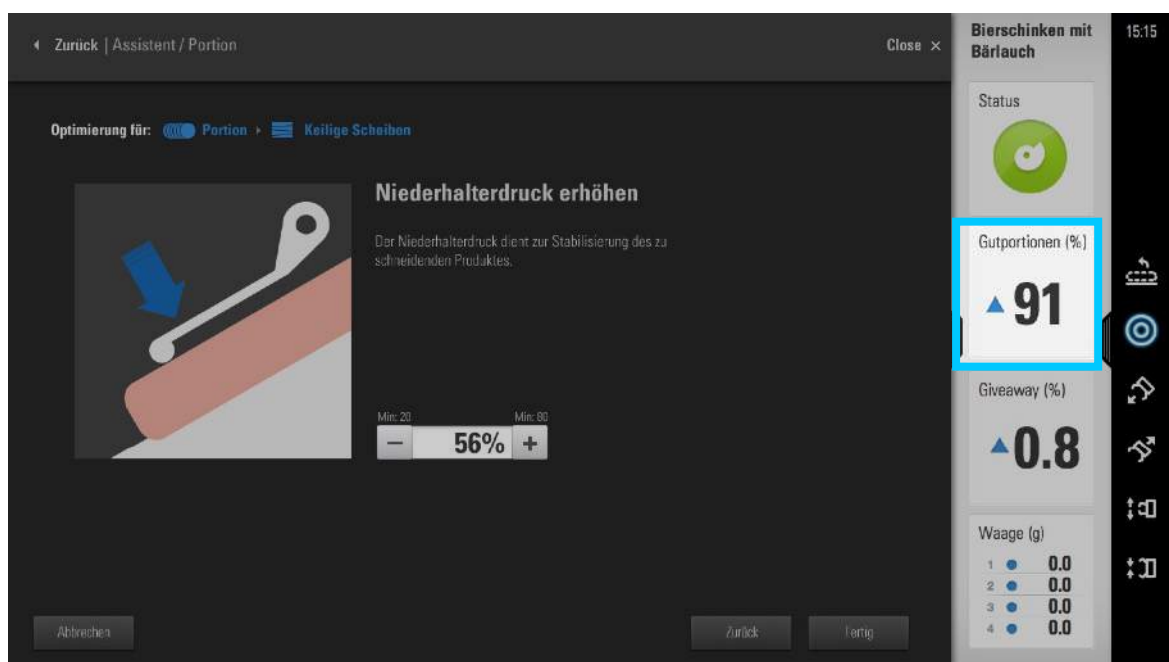
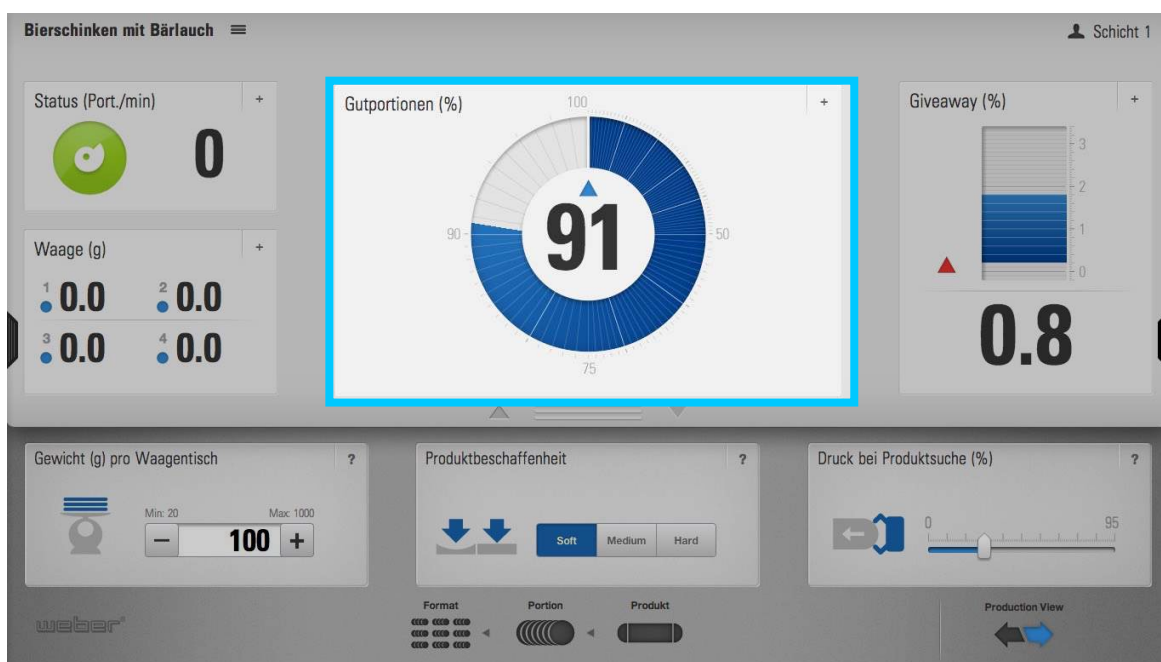
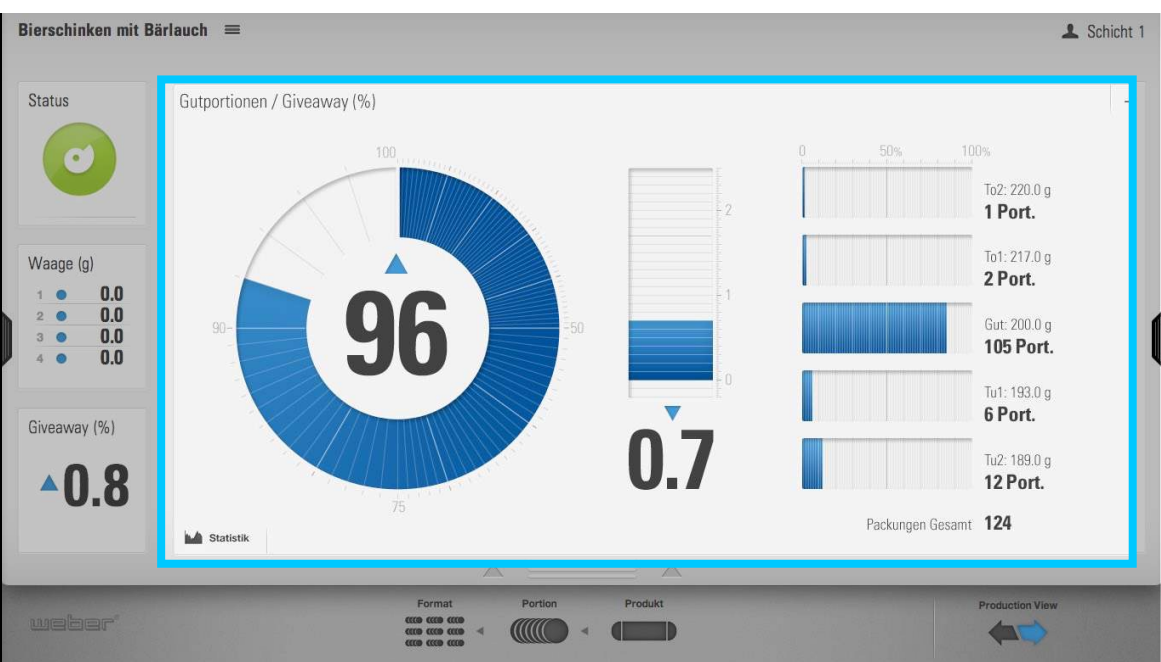
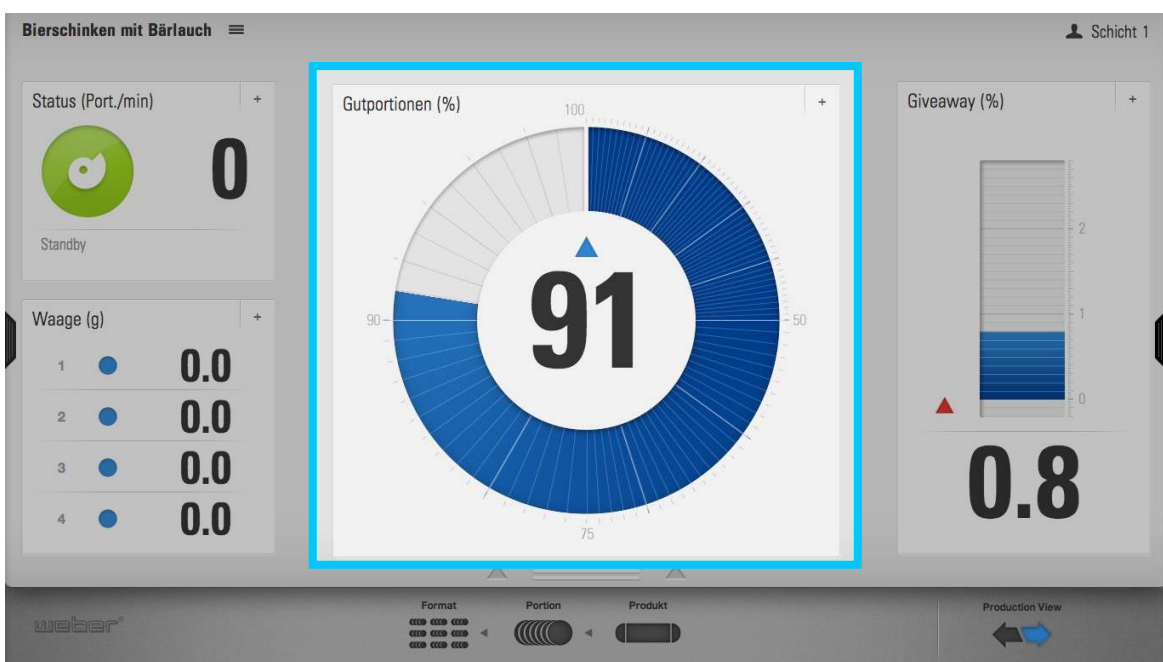
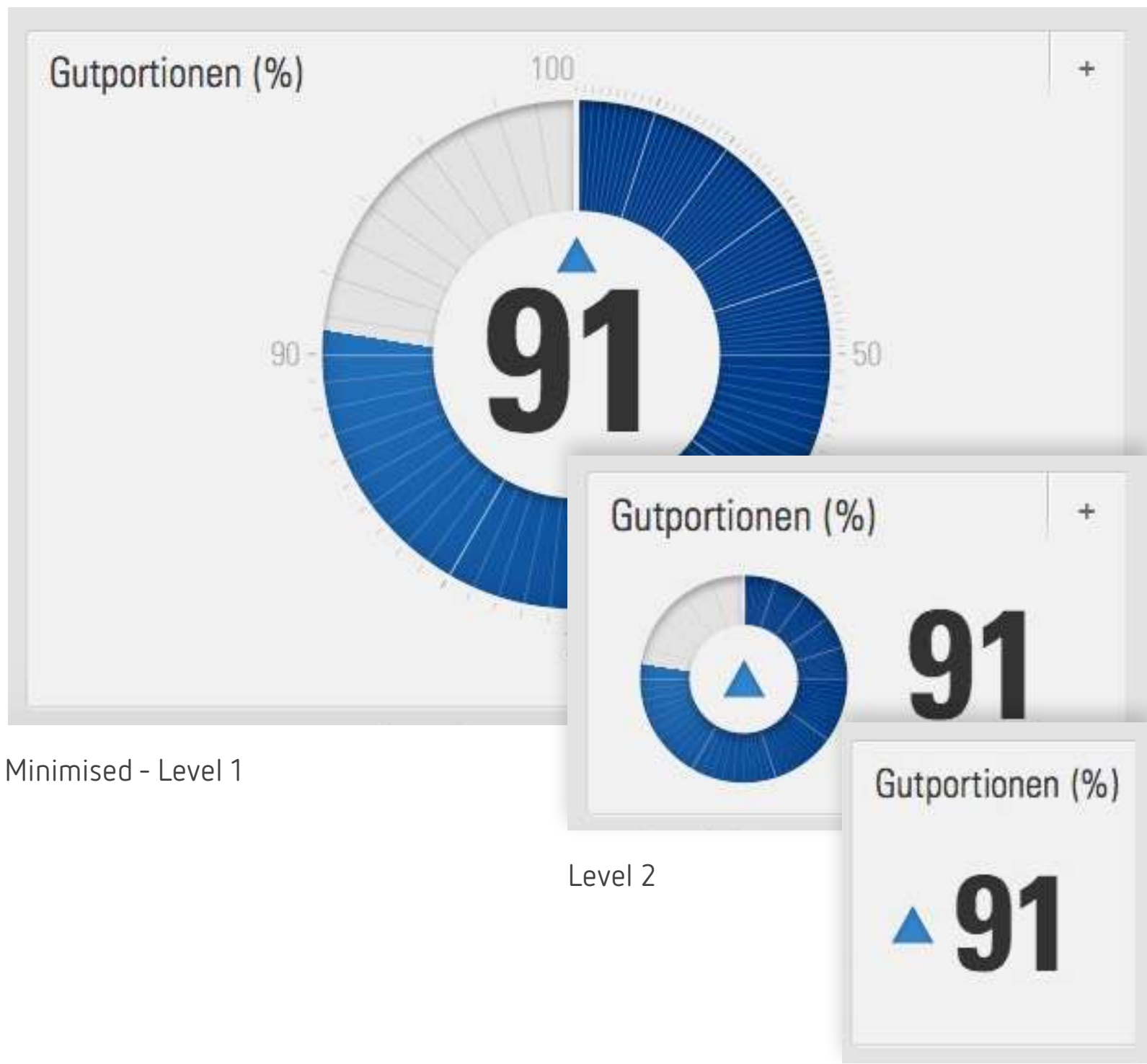
The dashboard – a central monitoring and operation view – summarises complex machine processes and displays them clearly. The information depths can be extended by intuitive swipe gestures. So frequently used parameters which are featured underneath can be quickly manipulated. The widgets and the featured parameters can be adjusted on each workstation or conditional to the machine type.



Standard View



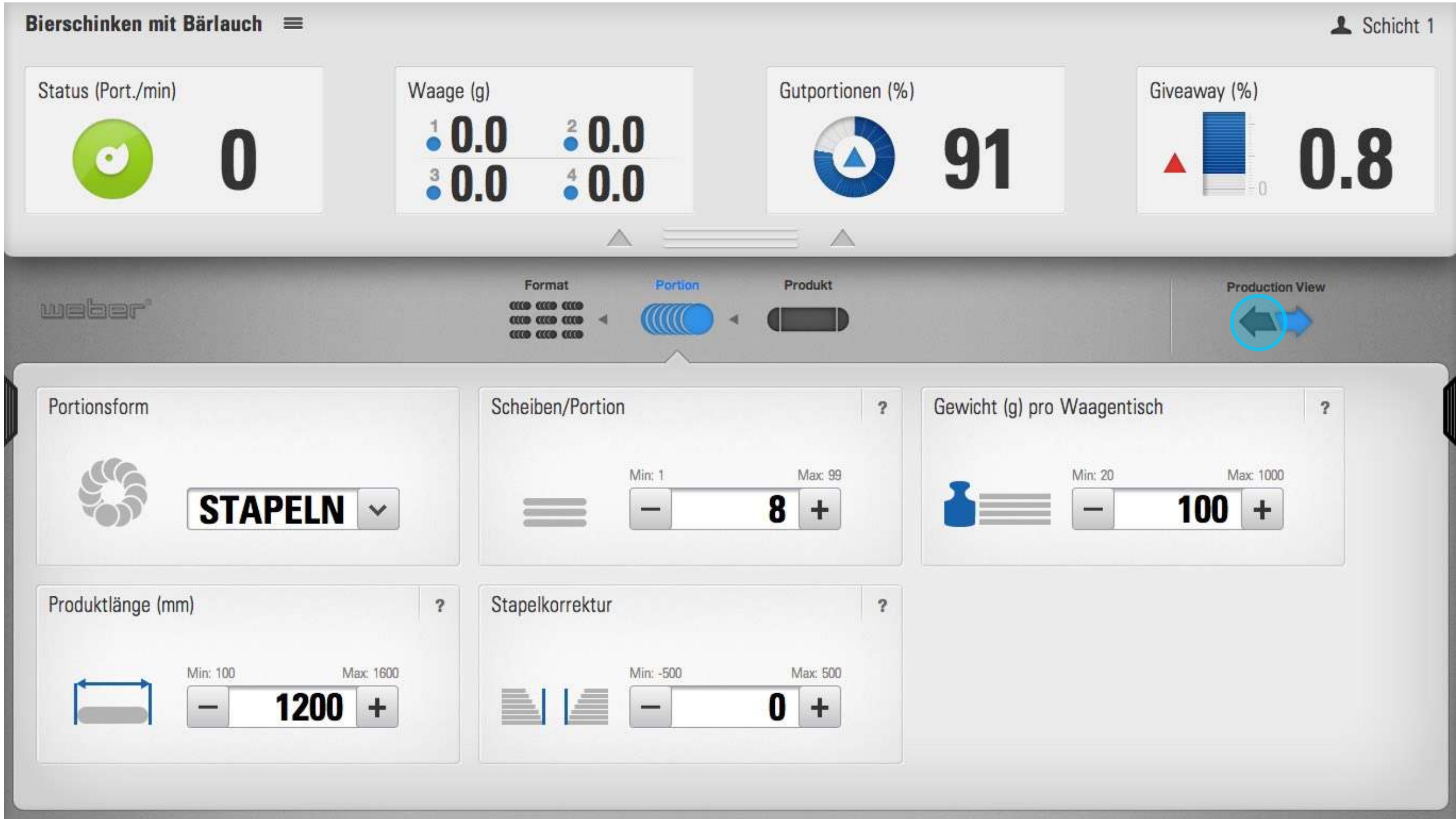
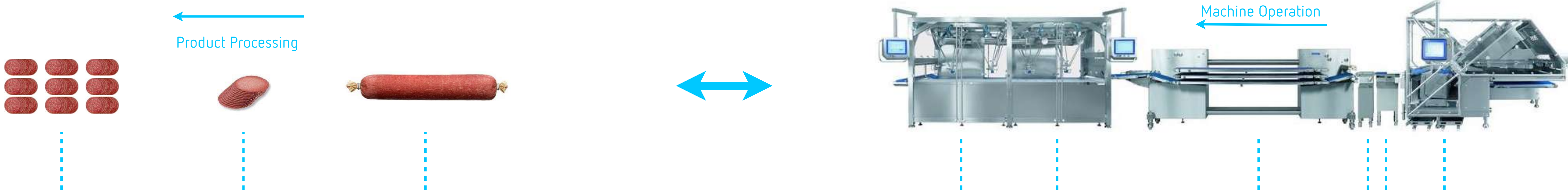
Detail View



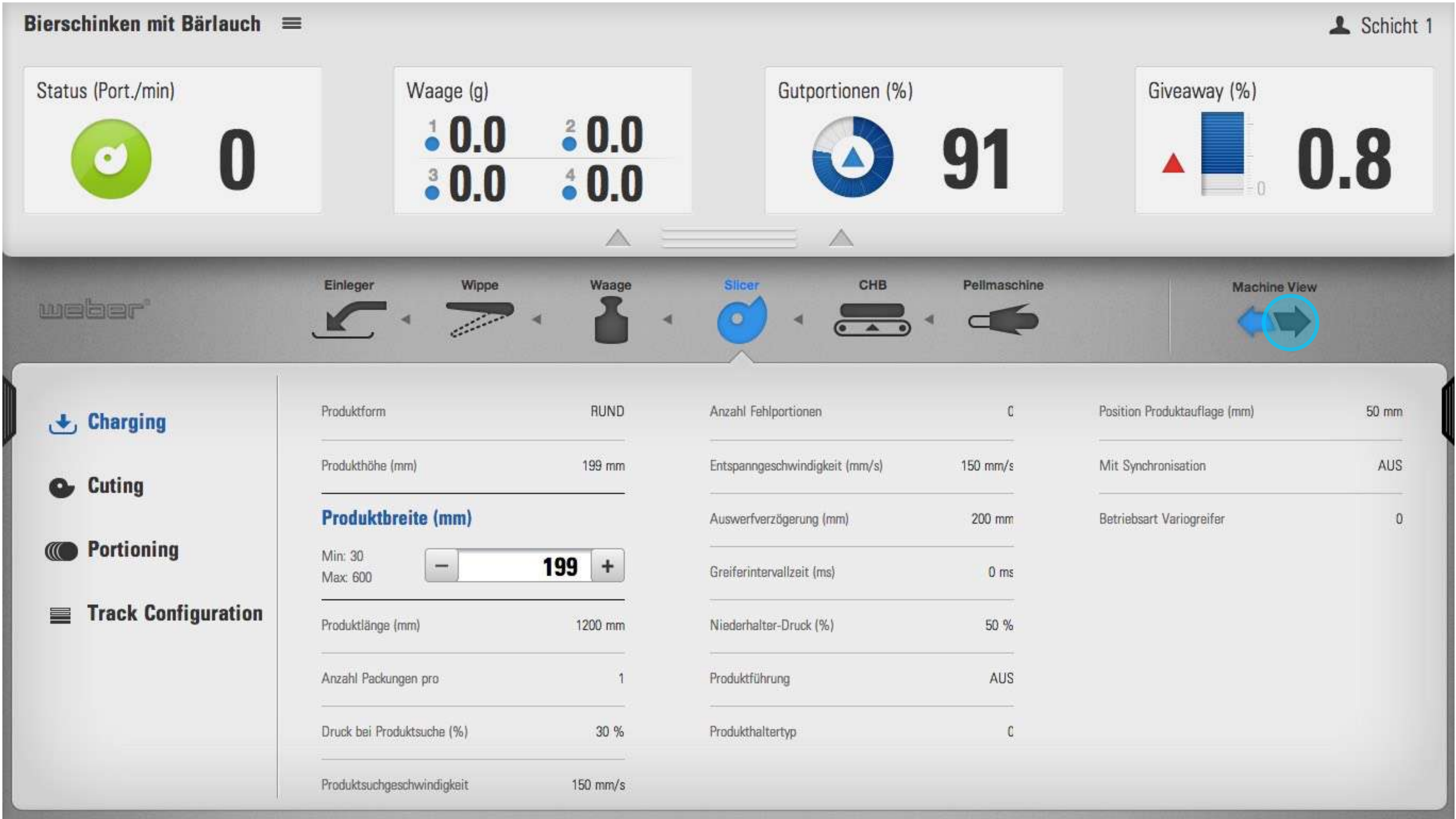
Variations of the production output widget

Widget Display Variations

The layout of each screen element is responsively designed and can adapt to new requirements after each user interaction. This behaviour makes detailed information easily accessible and it enables a constant supervision of the most important production key figures regardless of the current navigation position. Additionally HTML5 technology takes care of seamless transitions between the different states.



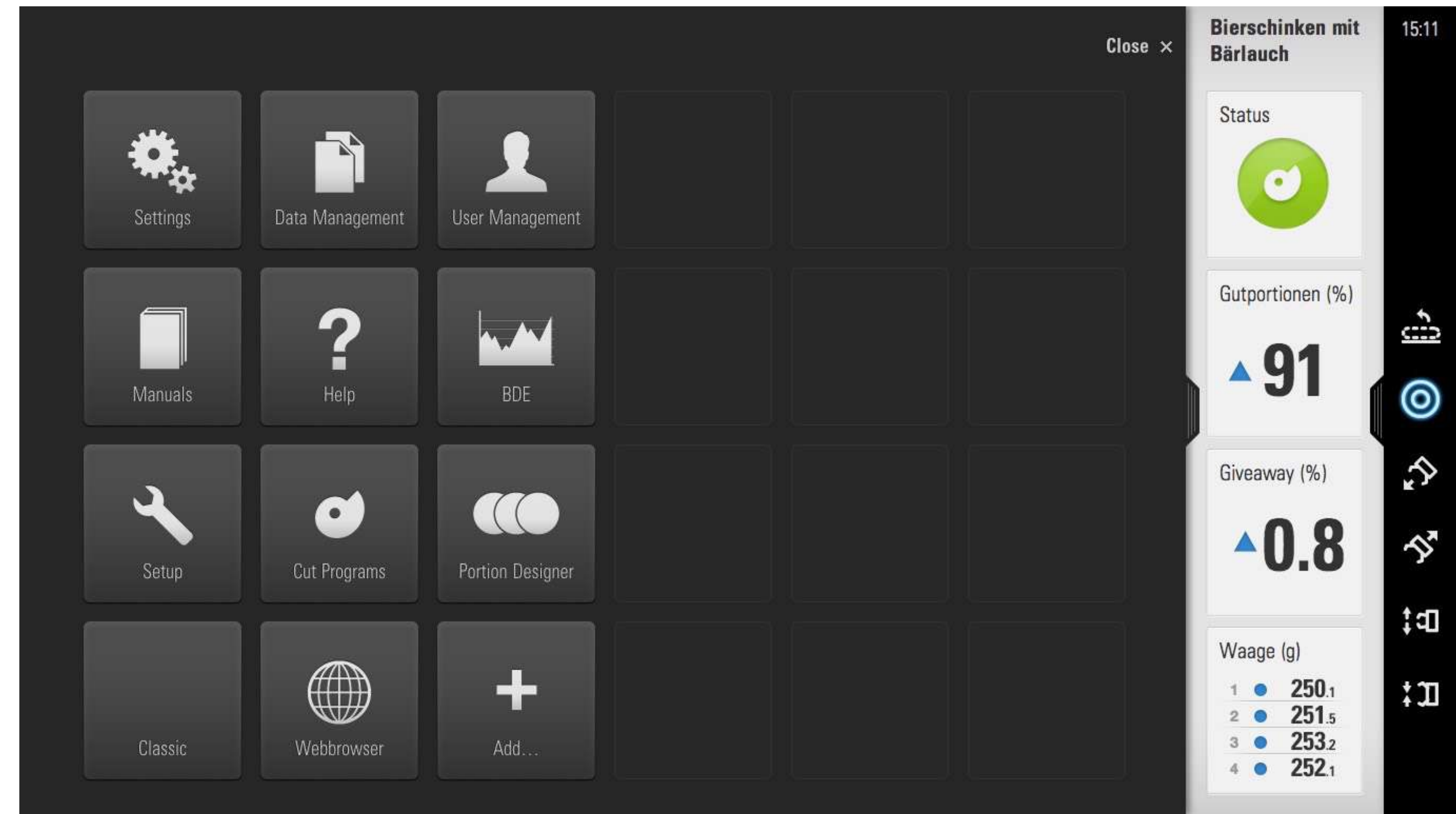
Product Parameter View



Machine Parameter View

Production Parameters

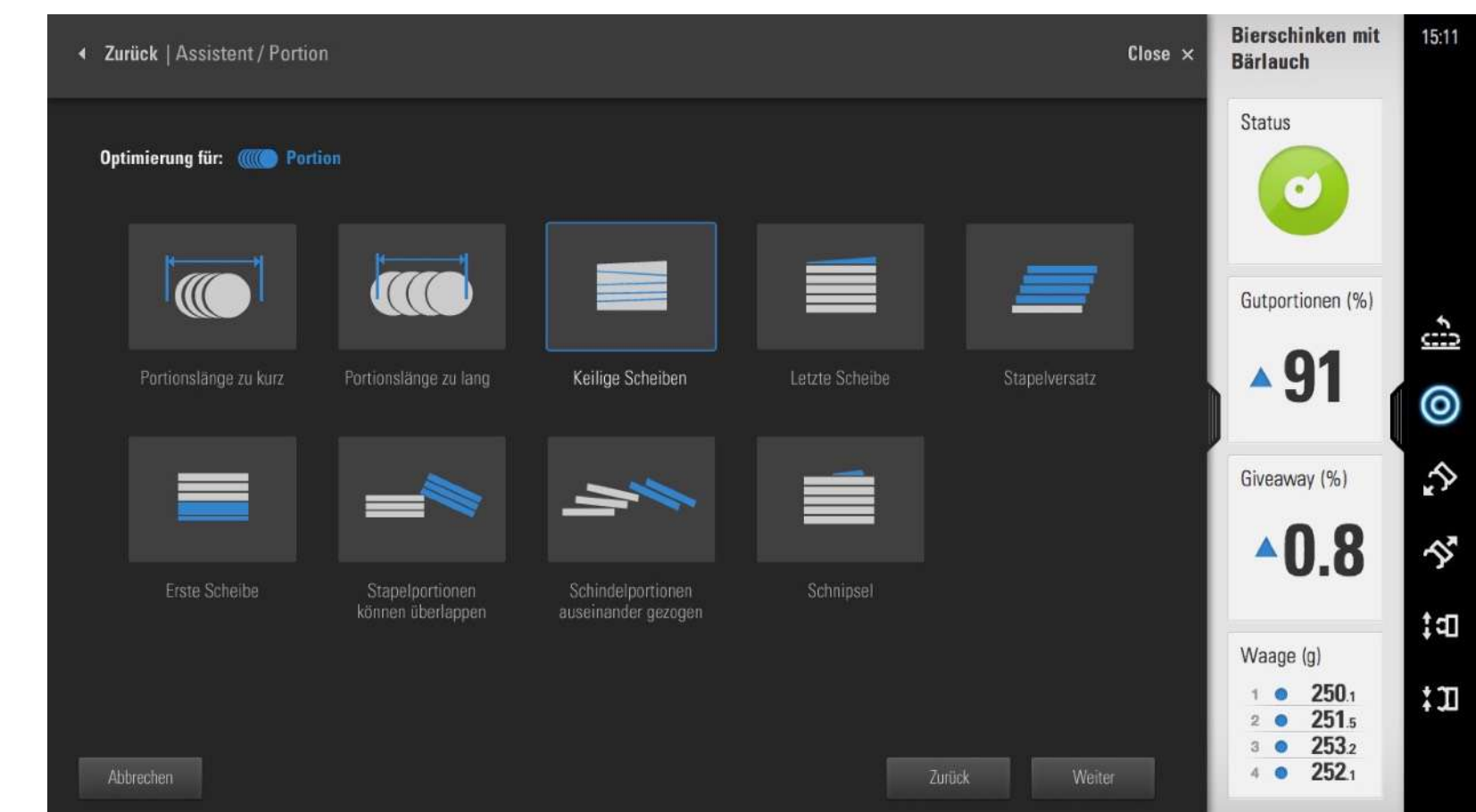
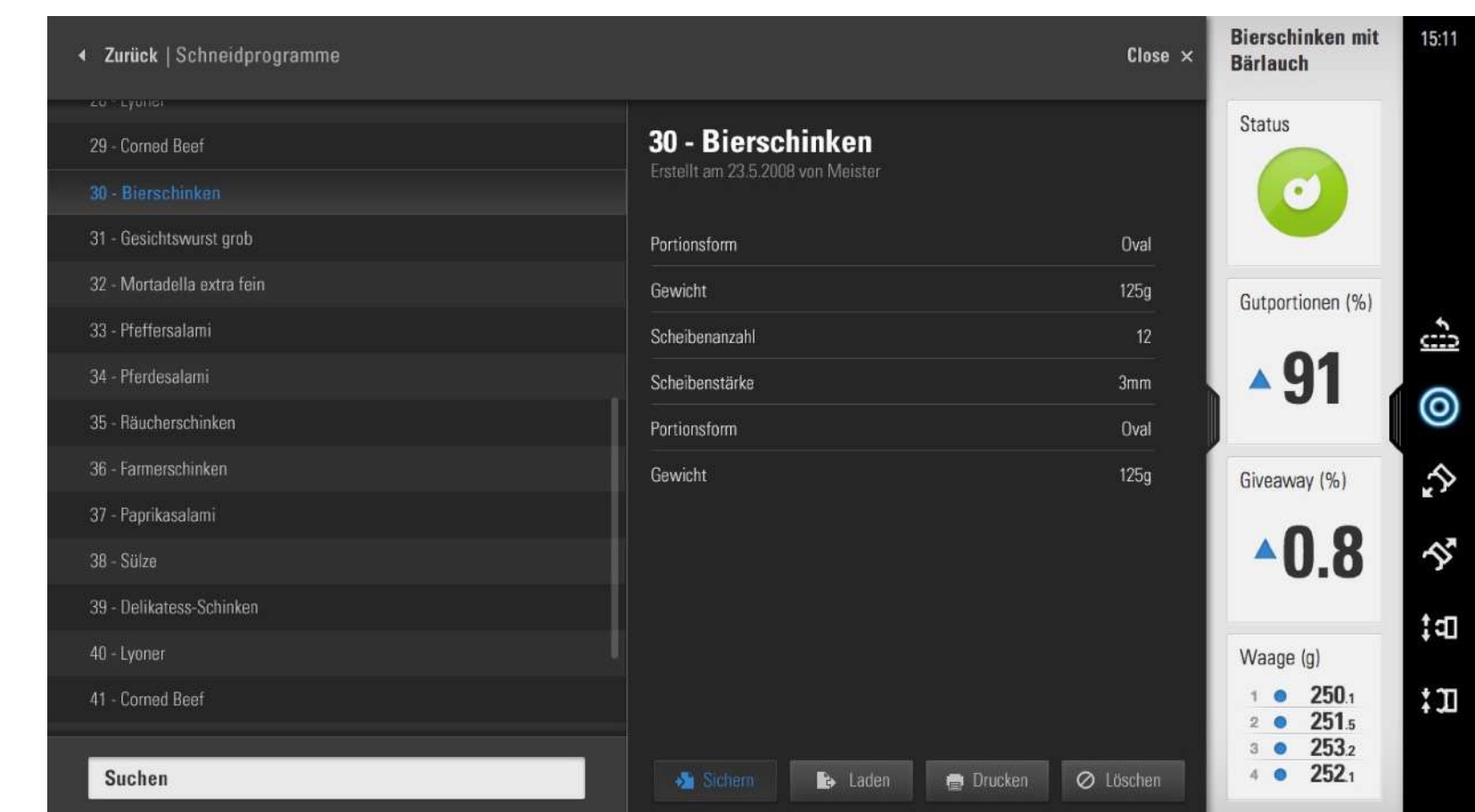
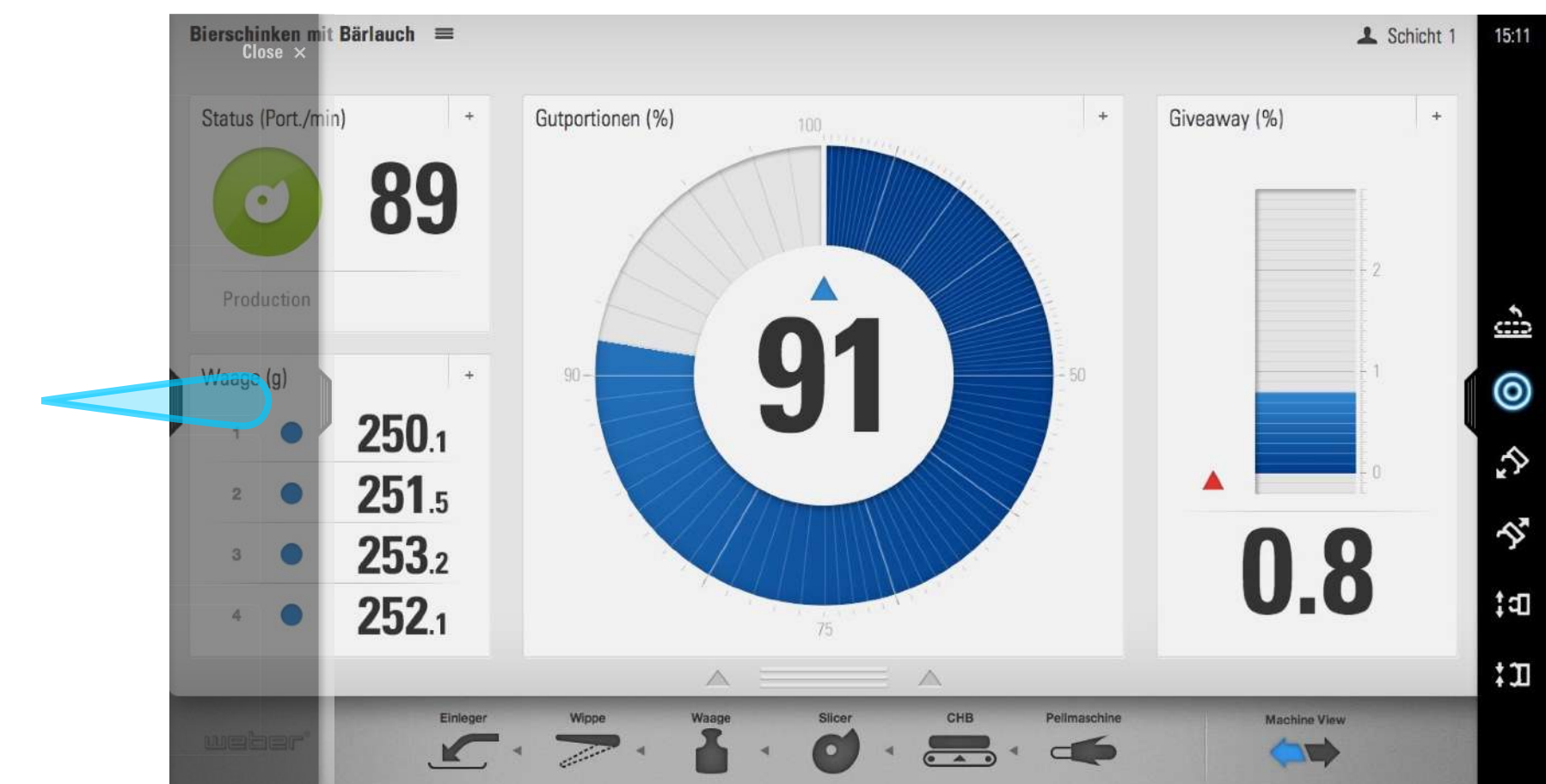
In a workflow-oriented menu all production parameters are accessible grouped by either product processing steps or machine components. Especially for unexperienced user rolls the simple user centric perspective with just the necessary, well illustrated settings is provided. Expert users can choose between this view and a machine oriented view which contains a larger range of parameters.



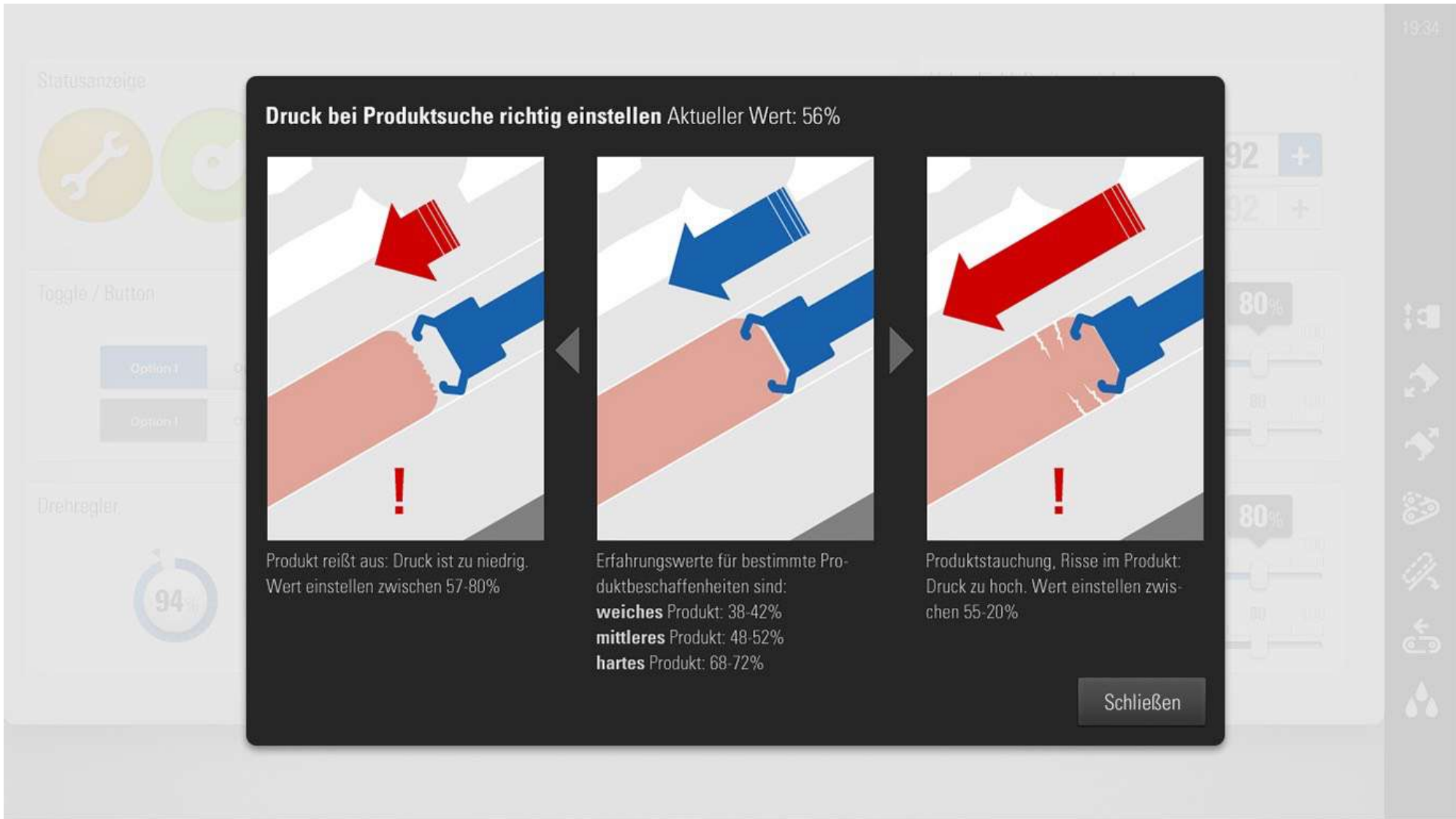
Expanded Menu

Component Menu

Collection of app-like software components outsourced from the regular operation view. These components are only used outside the regular monitoring and optimisation process. The component menu is expandable by optional modules which can be purchased separately. The dark interface provides a well definite area for the hosting of self-contained components or third-party software.

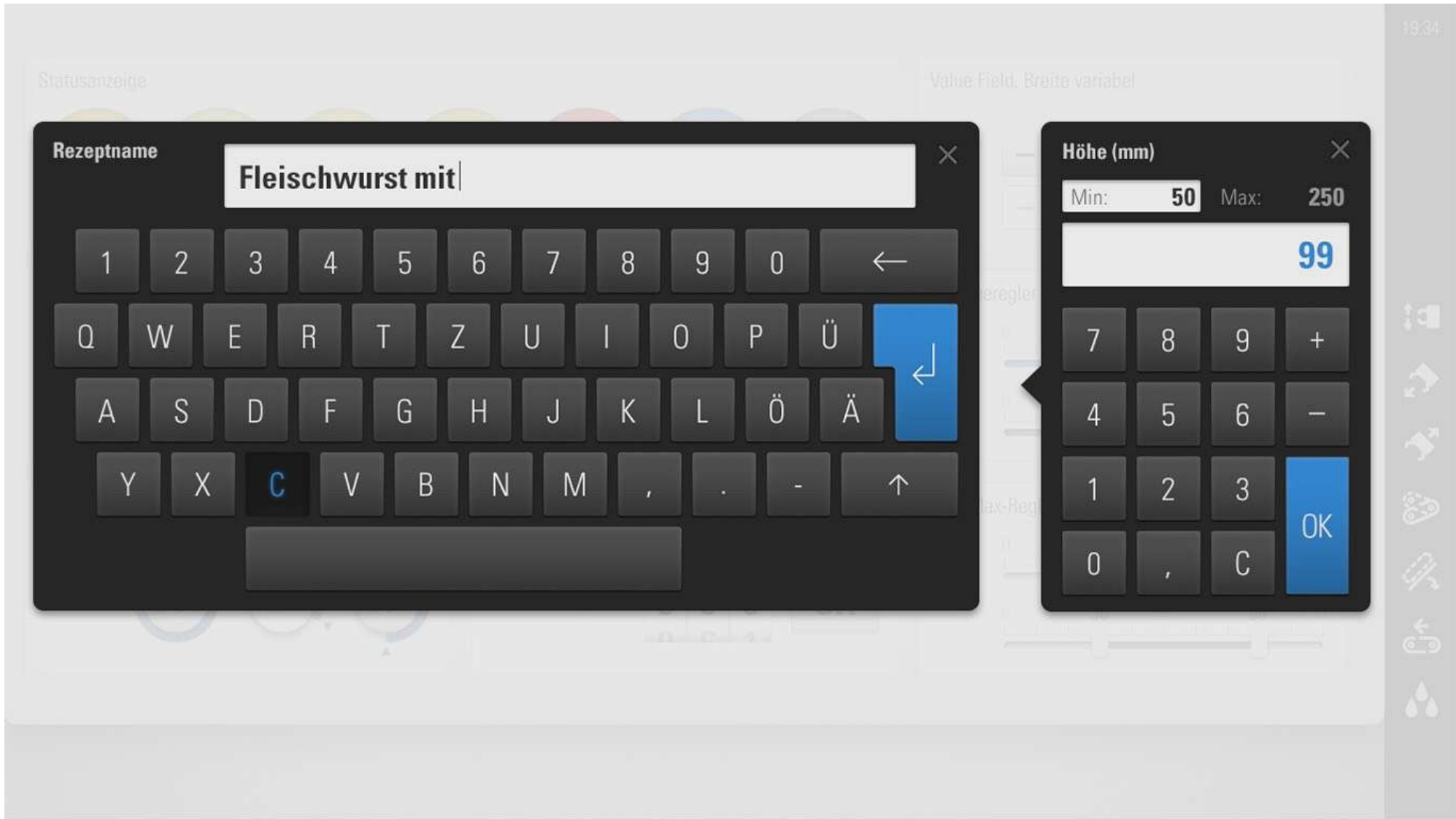


top down: Menu Access / Recipe Management / Optimisation Assistant



Contextual Help

Associated with each parameter help is provided using image sequences or videos.



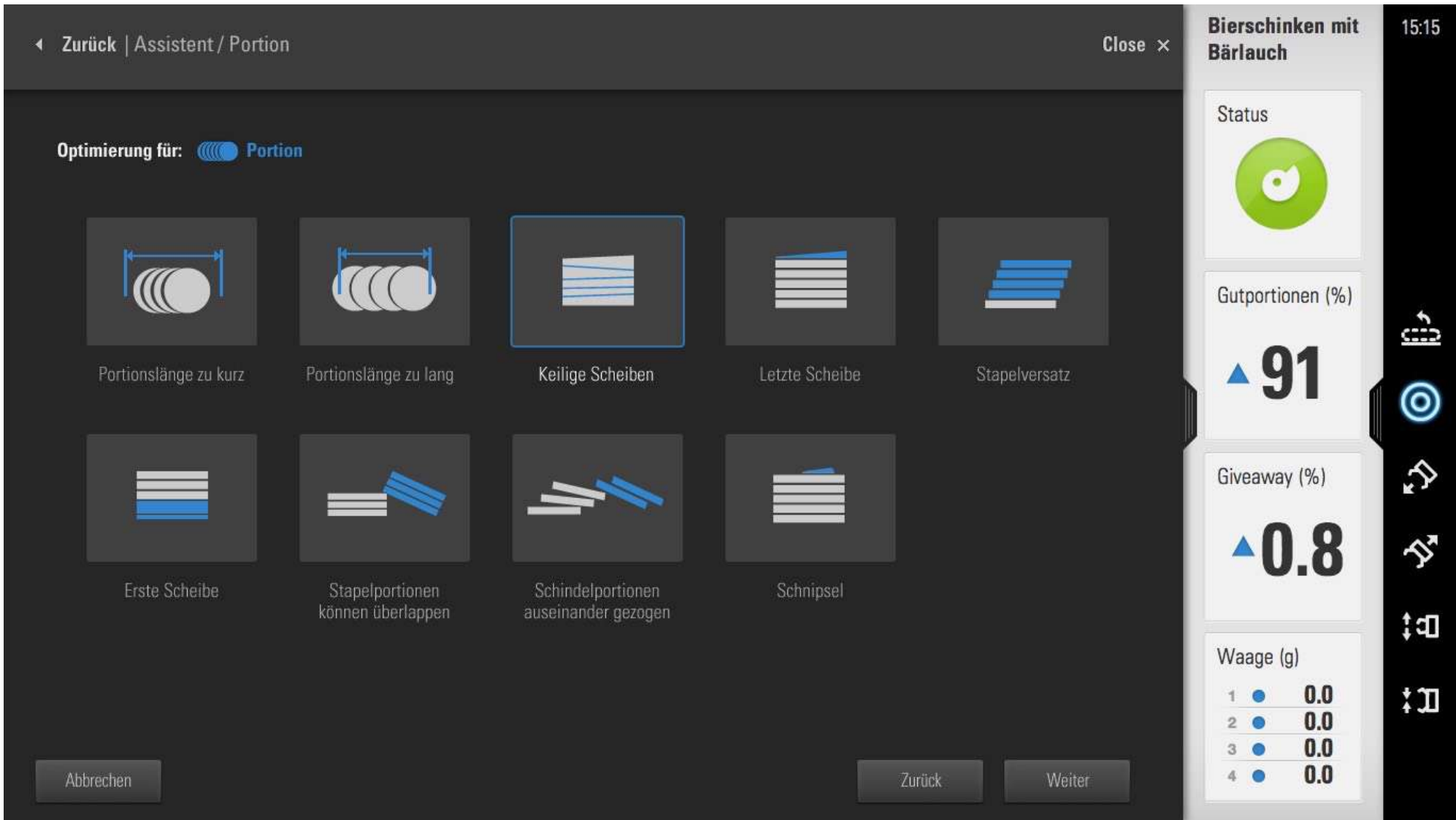
Ergonomic Keyboards

Alphanumeric and numeric keyboards are touch optimised and show additional information on given and actual values.



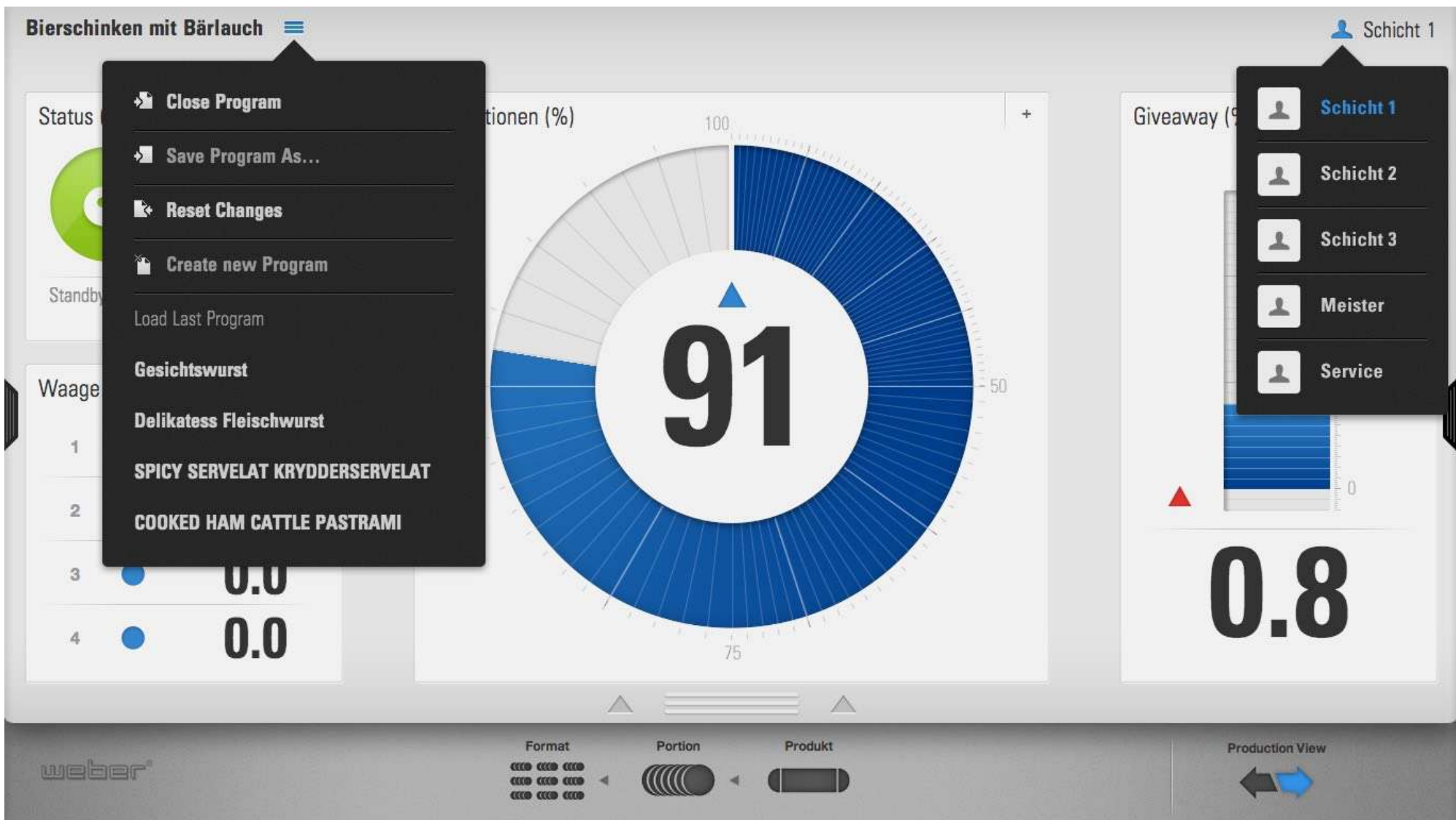
SCADA Visualisation

Monitoring of the current production performance using recorded SCADA data.



Step by Step Assistant

Optimisation of the product quality by answering simple illustrated questions.



Quick Access Options

Recipe and User Management can be accessed directly on the dashboard.



Skinning

Alternative look for sub-company (smaller panel and different aspect ratio).

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