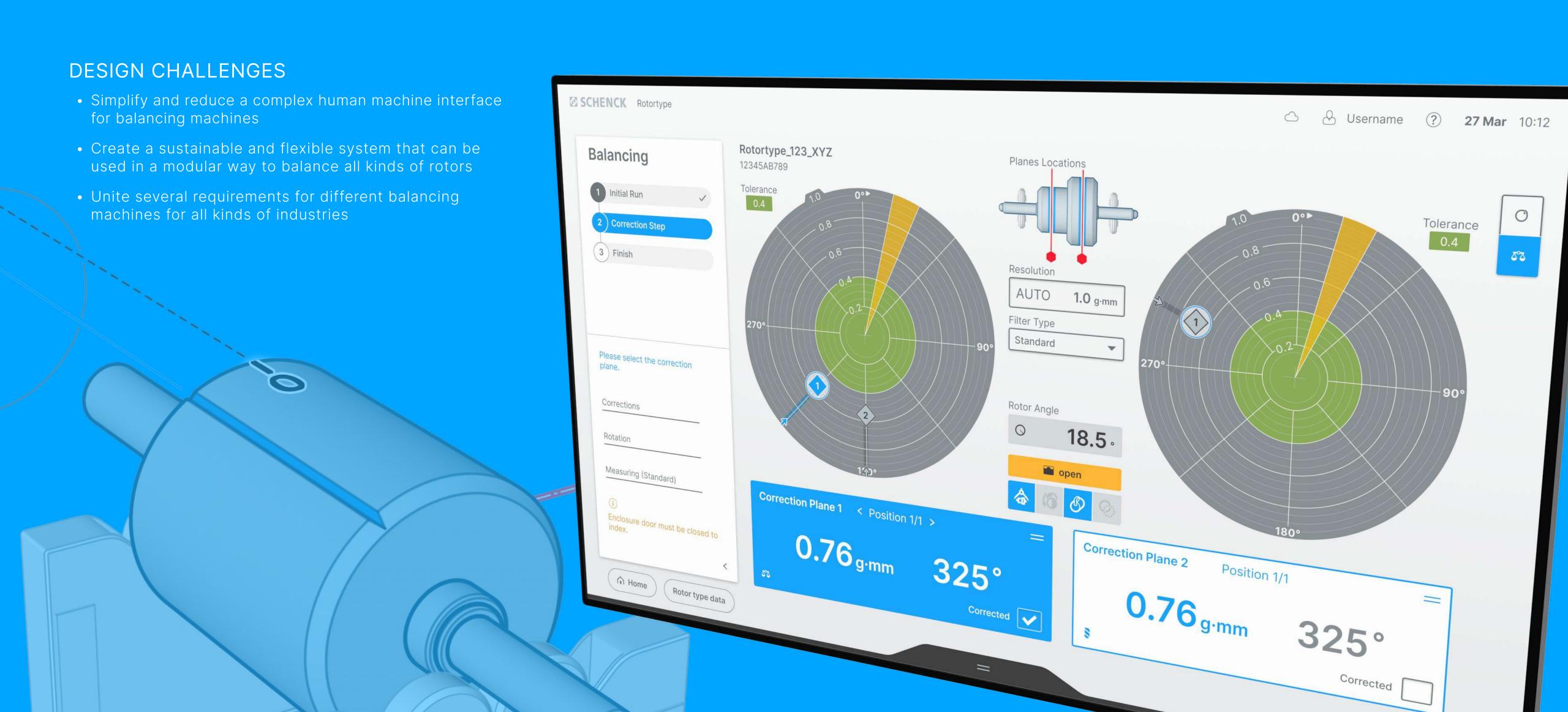
Schenck ONE

NEXT LEVEL ROTOR BALANCING



USAGE & ENVIRONMENT

PRECISION IN OUR EVERYDAY LIFE





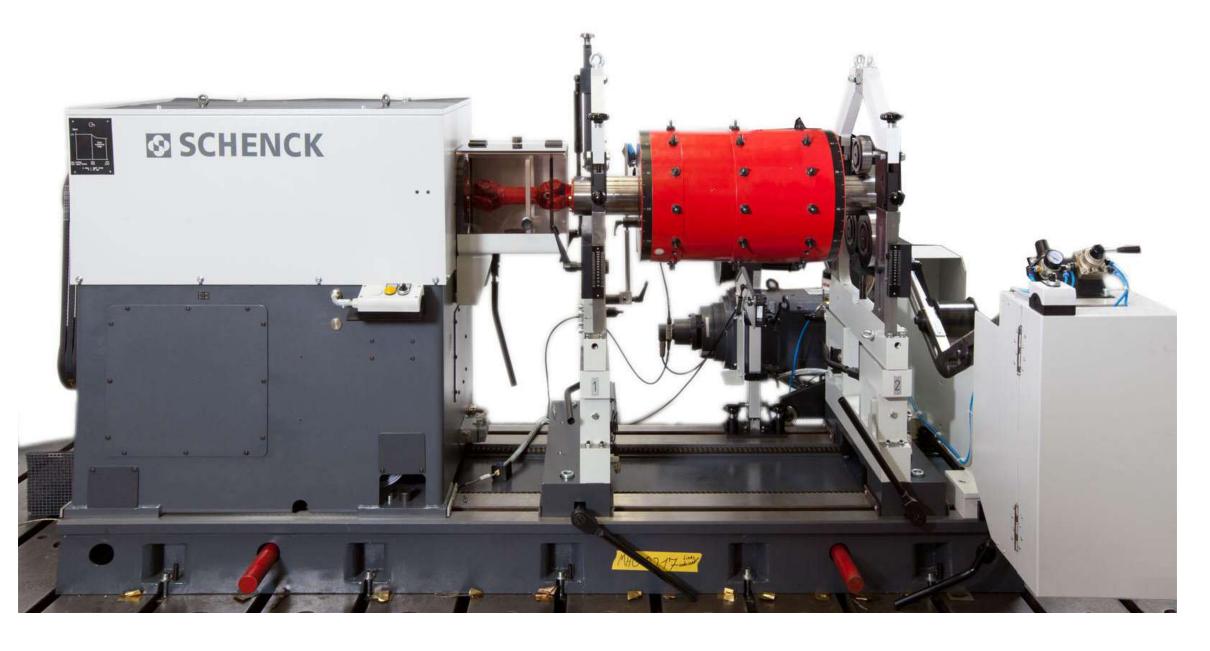












APPLICATION AREA

The demand for balancing machines is significant in all mechanical engineering industries and particularly high in:

- Automobile and Transportation
- Aerospace
- Power generation

CHALLENGE

When dealing with fast rotating objects, there is always the problem of vibrations caused by even the smallest unbalances.

To avoid this physical property, there is a simple solution. The balancing method.

Rotating objects are measured to detect unbalance and misbehaviour.

Additive and subtractive processes can be used to ensure high quality in rotating systems.

As a guarantee for safety in everyday life, Schenck's machines and software have created an optimized solution for balancing all types of rotors, whether it is an aircraft turbine or the tiny rotor of a drill in the dentist's office.

DESIGN PROCESS

A NEW BALANCING UI



The development is based on a human-

centred design process. A profound

analysis was carried out in close co-

operation with operators and experts.

The design process started with

sketches, which were then continued

and detailed through wireframes and

user tests with real users before the

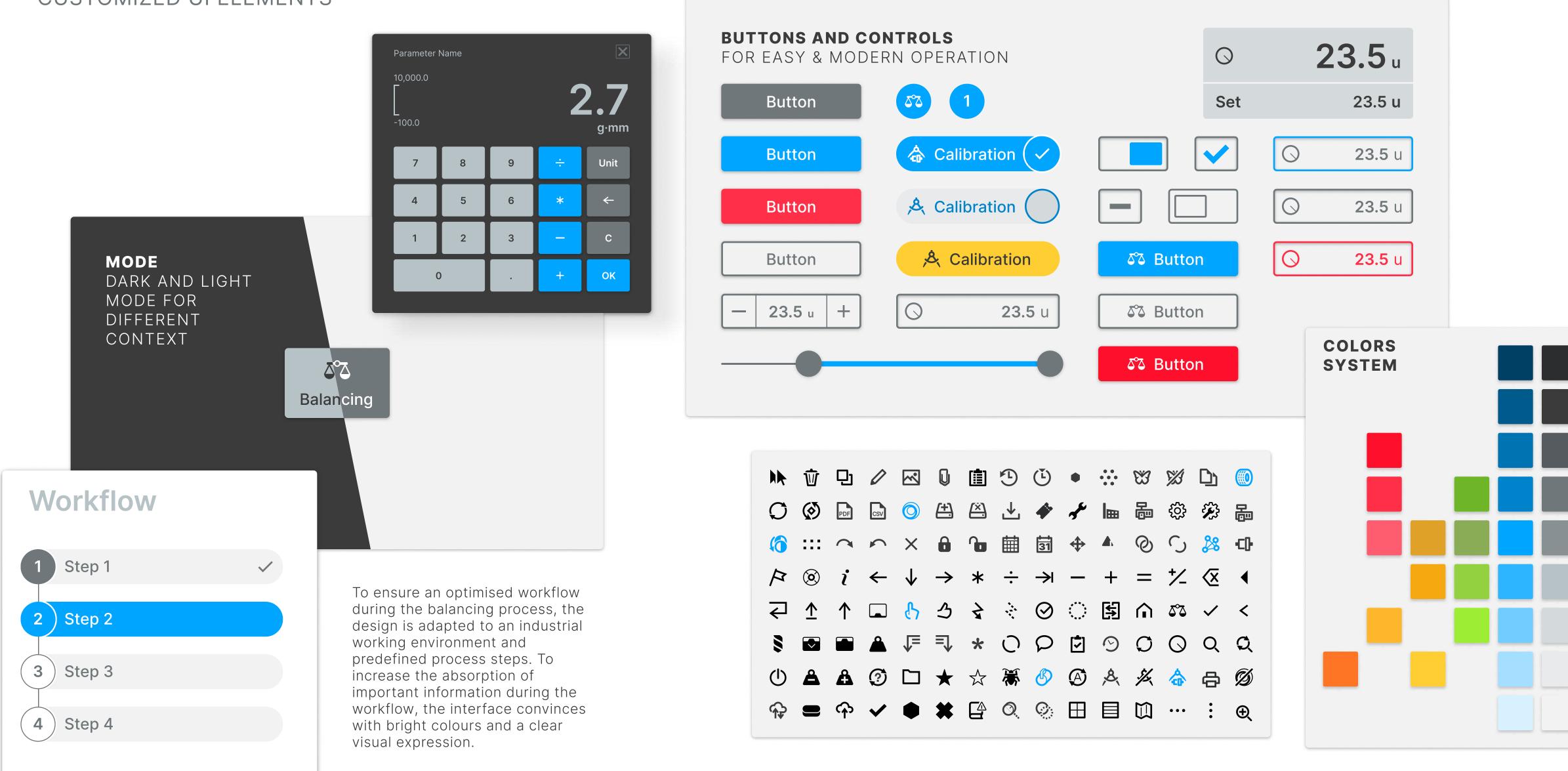
INCREASED USABILTY

OPTIMIZED HMI FOR BALANCING OPERATIONS



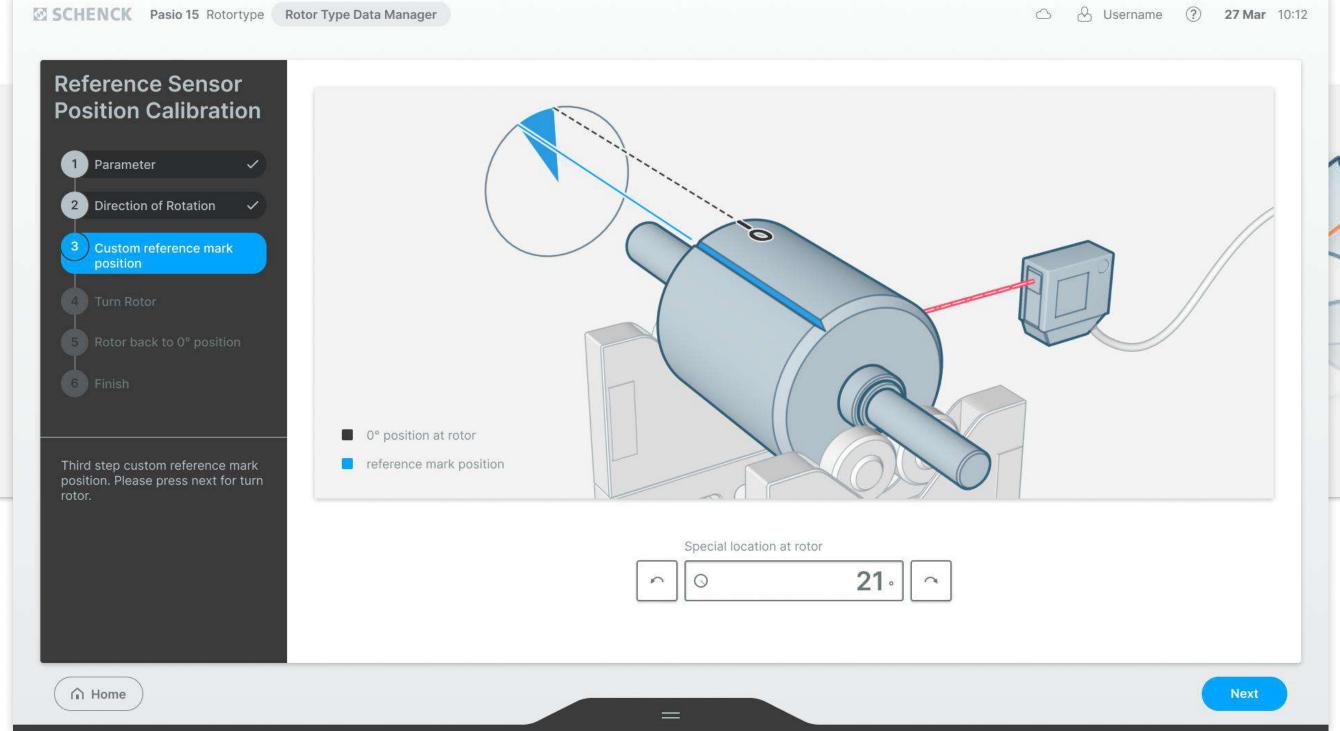
DESIGN SYSTEM

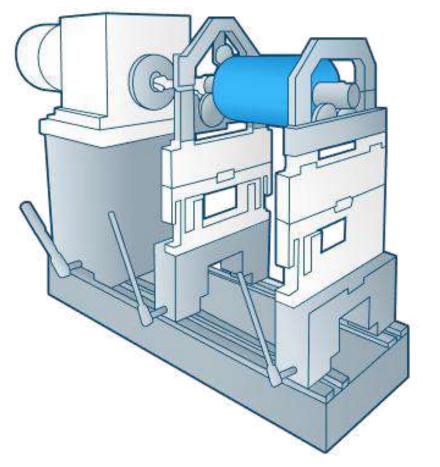
CUSTOMIZED UI ELEMENTS

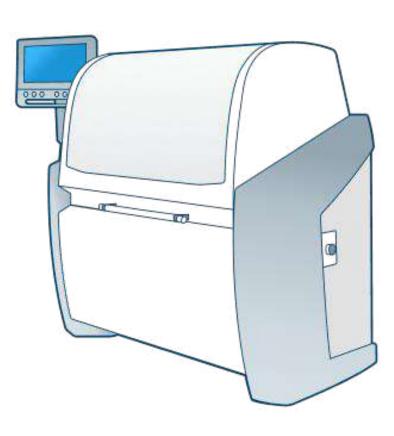


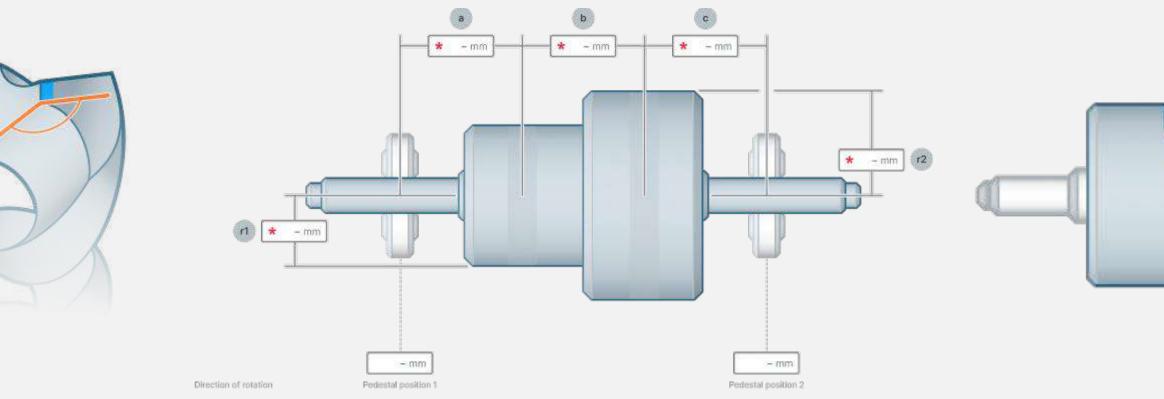
ILLUSTRATIONS

WORKFLOW SUPPORT WITH GRAPHICAL CONTENT









Illustrations are an elementary component of the user interface. Complex work processes and operating steps are simplified through the use of graphic elements and illustrations.

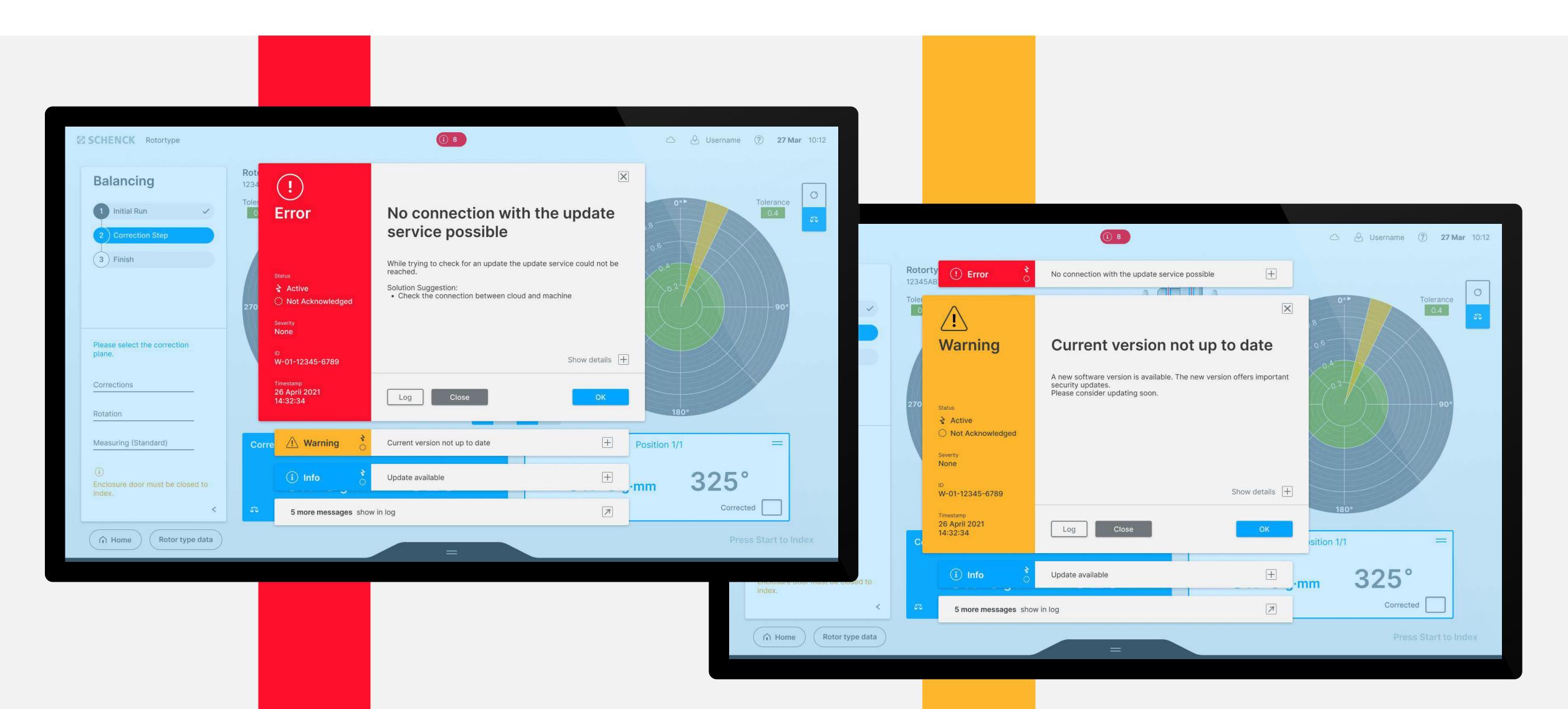
To increase the understanding of technical processes, the illustrations are a helpful guide to assist the worker in his work.

DIALOGS

CLEAR GUIDANCE IN CRITICAL SITUATIONS

Dialogues form the basis of an information system for the user. Important information is presented in bright and meaningful colours and stands out against the darkened background.

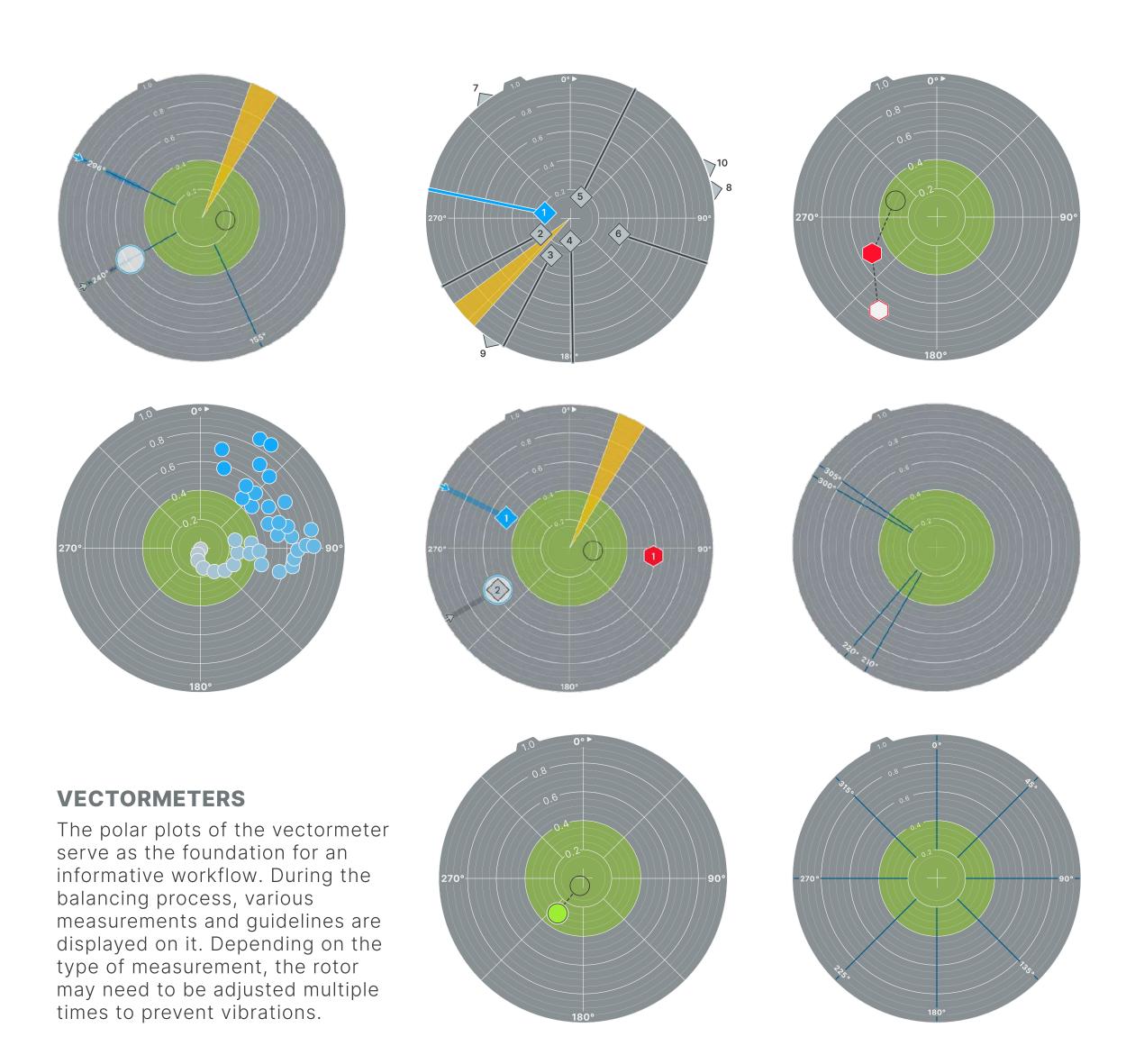
The alerting has several escalation levels and goes from simple information to warnings to alarms. Especially in critical situations, the dialogues ensure an overview of complex issues.



VECTORMETERS

MAKE BALANCING VISIBLE



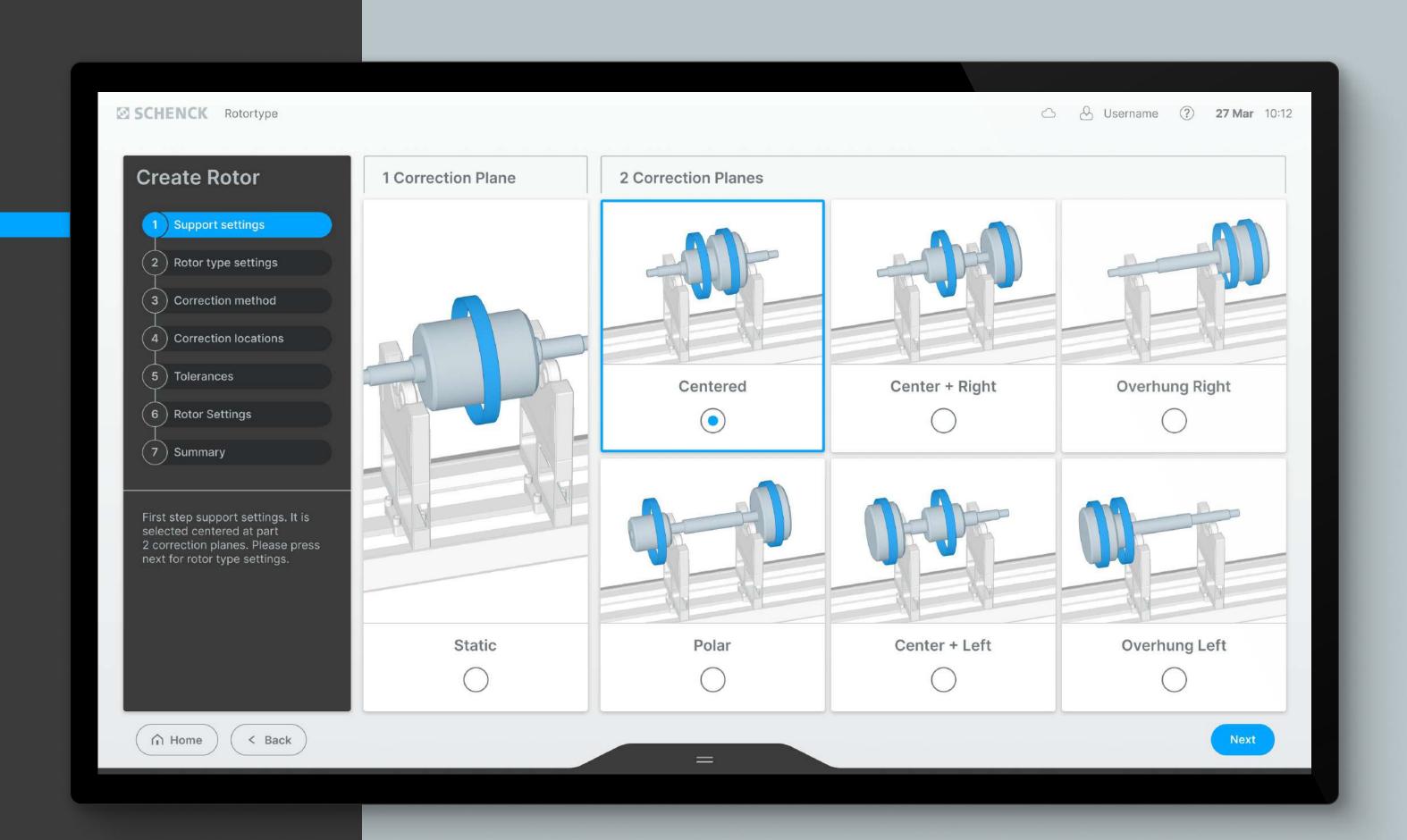


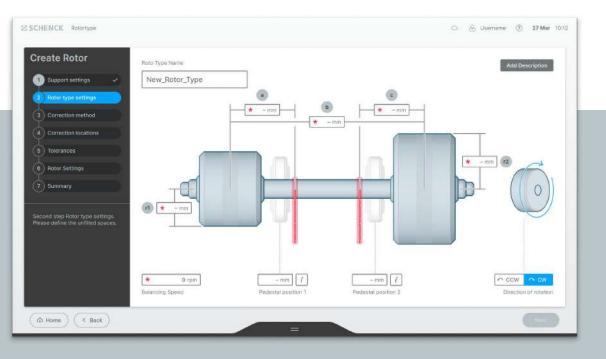
USER GUIDANCE

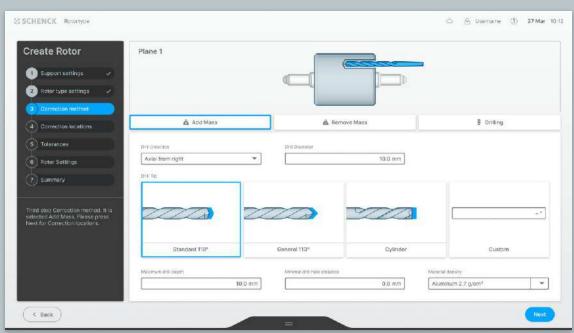
KEEP THE PERFECT OVERVIEW

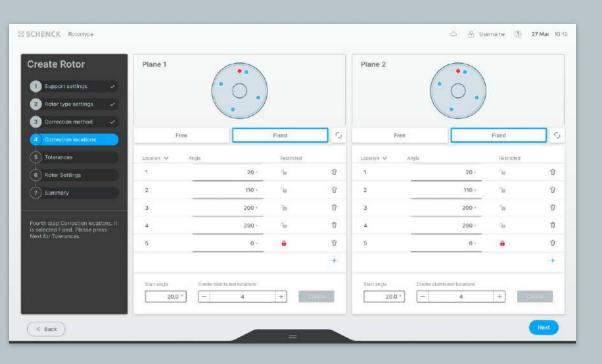
All important work processes are mapped with the help of assistants and guided workflows. Step by step with clear graphics, which in turn greatly simplify the work. This applies to the creation of

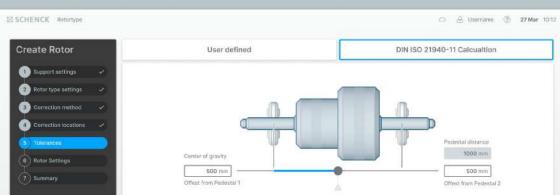
a rotor as well as to the measurement or manual correction of the unbalance on the rotor itself. The result is fewer operating errors and faster, more pleasant work.





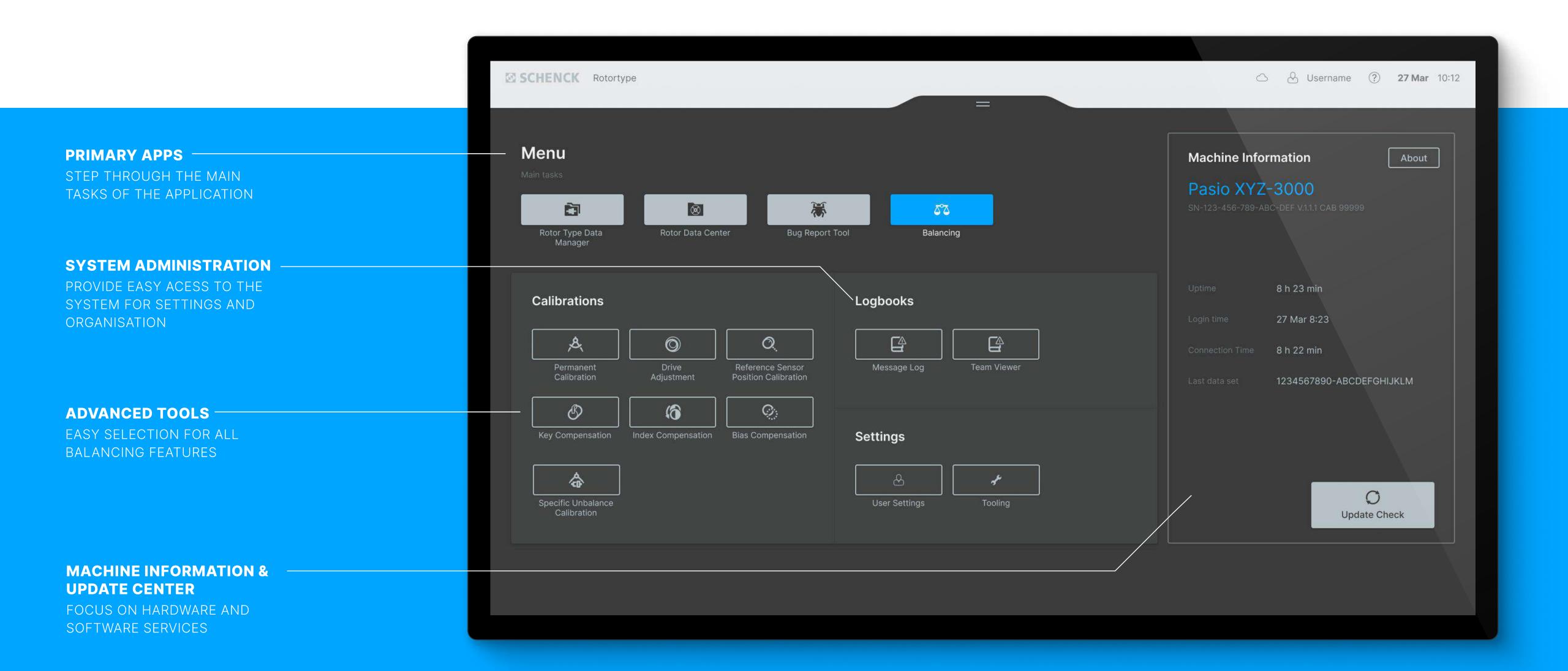






APPLICATION MANAGER

KEEP APPLICATIONS ORGANIZED





HMI Project GmbH / Frankfurter Straße 92 / 97082 Würzburg T +49 931 453297-70 / hmi-project.com

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