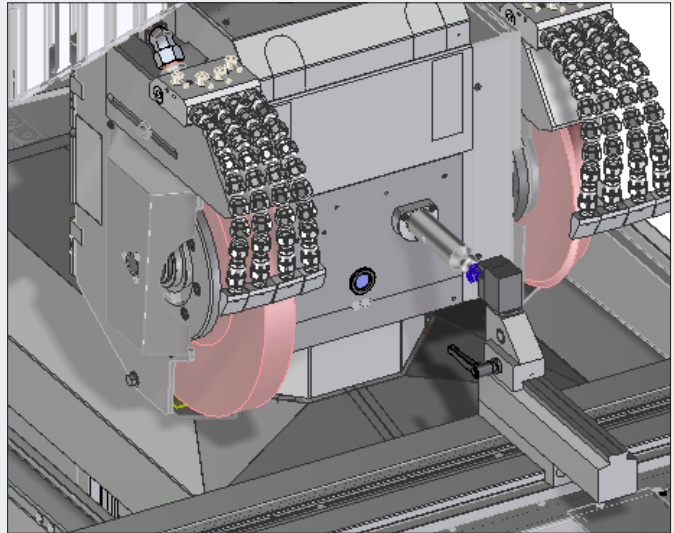


Automatic Tool (Grinding Wheel) Measurement

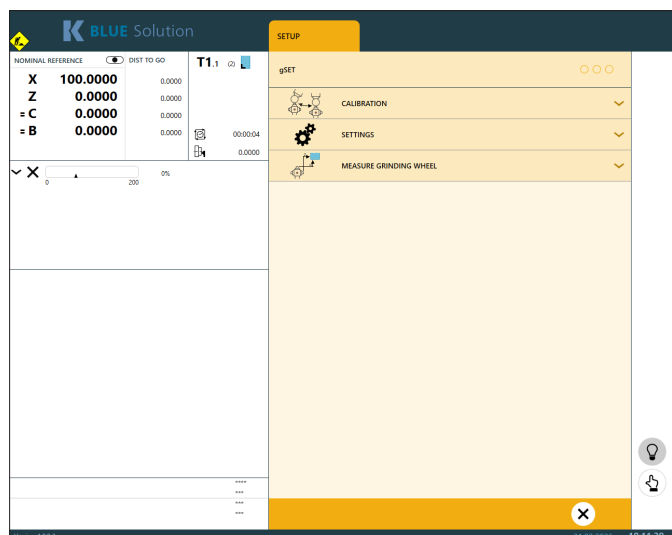
A measuring device specially developed for this purpose, in conjunction with the machine's position measurement system and the BLUE Solution control system, enables precise position detection of the grinding wheel edges.

This makes setting up/changing over the machine very simple, fast, and reliable.



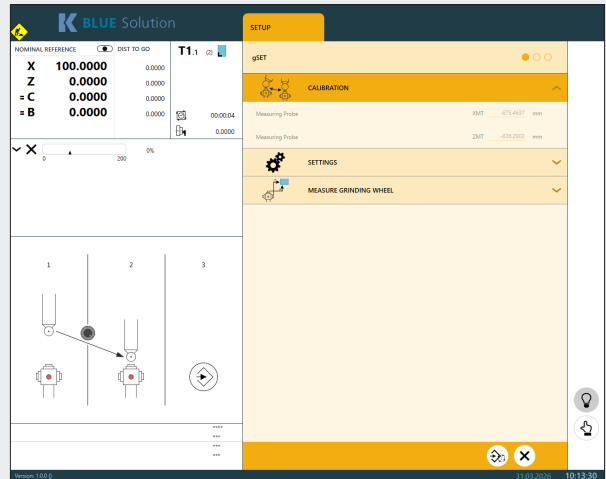
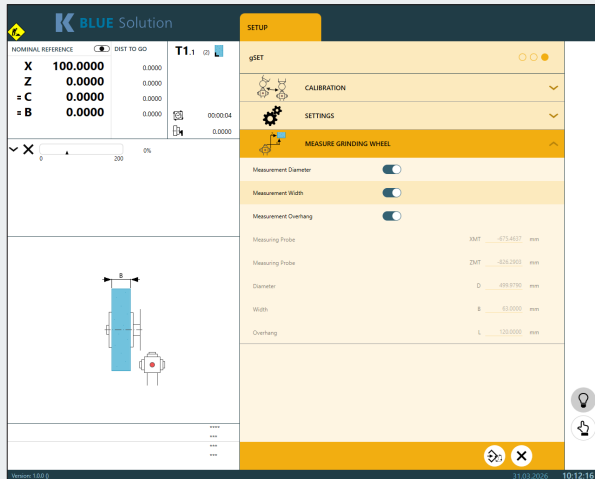
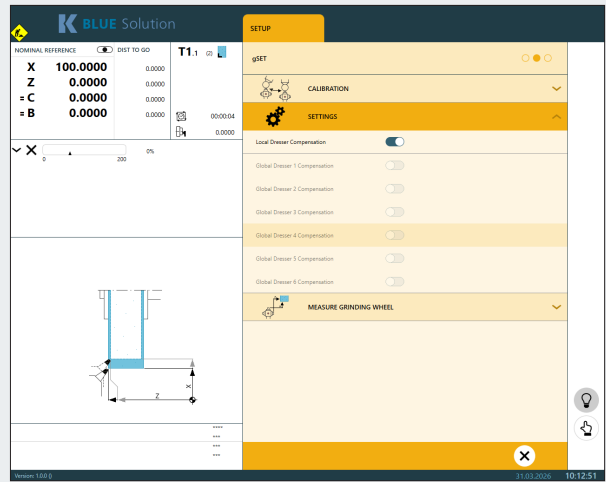
Advantages

- Programming with effective dimensional specifications from drawings, independent of the grinding wheel's swivel angle.
- Recalibration (setting) of the swiveled grinding wheels is not required.
- Simple and fast acquisition of grinding wheel data when changing over the machine.
- Integrated tool management for external, surface, and internal grinding.
- Positions in any swiveled position of the grinding head.
- Automatic calculation of the grinding wheel
- Automatic Tool and Grinding Wheel





Precision Grinding Machines and Systems



Calibration

- Mount the Grinding wheels
 - Mount the measuring sphere
 - Mount the Measuring system
- to assemble
- Call up the “gSET” measuring cycle
 - The measuring ball and the grinding wheels are now automatically approached. In the process, the corresponding positions are automatically adopted and stored in the control system.
 - When the grinding head is swiveled to any angular position, the positions of the grinding wheel edges are automatically calculated.

