





# 01 **BG-VISION** MEASUREMENT SOFTWARE FOR BORE GAUGES



BG-VISION is an innovative measurement, visualisation and analysis software solution for bore gauges from BLUM. The application, which has been redesigned from the ground up, features an entirely new approach to functionality and user-friendliness. With its intuitive operating design, it can be used to generate, document and analyse complex measurement sequences quickly and easily.

- SIMPLE, PC-BASED USER SOLUTION FOR CREATING COMPLEX MEASUREMENT PROGRAMS
- RECORDING, VISUALISATION AND STATISTICAL ANALYSIS
- COMFORTABLE HARDWARE ADMINISTRATION, INCL. SERIAL NUMBERS, SOFTWARE VERSIONS AND SYSTEM SPECIFICATIONS
- OPERATION POSSIBLE WITHOUT AN ADDITIONAL MEASUREMENT COMPUTER (IPC)
- Q-DAS INTERFACE FOR MEASUREMENT SYSTEM ANALYSIS (OPTION)
- PROCESS CONTROL FOR THE IMPLEMENTATION OF CLOSED PRODUCTION SEQUENCES (OPTION)

# 02 **SYSTEM OVERVIEW** ALL COMPONENTS AT A GLANCE

Because of its platform-independent design, this measurement software can be installed directly on the control's HMI. Depending on the existing control configuration, the software may not need to be installed on an additional measurement computer.



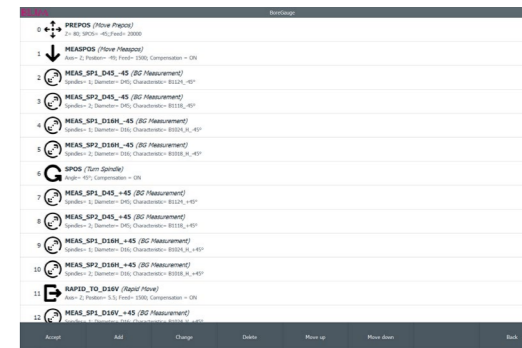
System configuration depends on application

# 03 **THE SOFTWARE** CREATION, VISUALISATION AND ANALYSIS

## CREATION OF MEASUREMENT PROGRAMS

The new operating concept lets the user quickly and flexibly generate complex measurement sequences for highly automated processes in series production. Creating measurement programs for bore gauges from BLUM has never been easier.

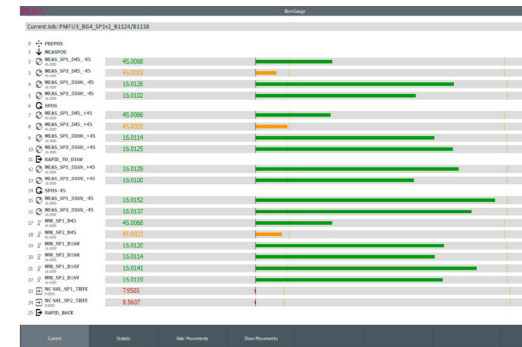
- MEASUREMENT SEQUENCES (JOBS) HAVE A MODULAR STRUCTURE THAT IS CREATED BY ASSEMBLING MEASUREMENT STEPS
- EASY AND INTUITIVE DEFINITION OF MEASUREMENT STEPS
- HIGH FLEXIBILITY OF JOB CREATION AND MANAGEMENT
- STRAIGHTFORWARD DISPLAY OF MEASUREMENT JOBS



## VISUALISING THE MEASUREMENT RESULTS

The visualisation options of BG-VISION provide a transparent view of the bore gauge manufacturing process.

- VISUALISATION OF THE MEASUREMENT RESULTS OF THE CURRENT MEASUREMENT JOB
- VIEW OF ALL STEPS IN THE MEASUREMENT JOB (MEASUREMENT STEPS AND POSITIONING STEPS)
- CLEAR DISPLAY OF THE SET DIMENSION, TRUE DIMENSION, WARNING LIMITS AND TOLERANCE LIMITS



## STATISTICAL ANALYSIS

Extensive analysis functions are available to visualise and record the quality of the product. Based on the recorded data, experts can draw conclusions on the current production situation and use this information to further improve the production process.

- VIEW OF EACH MEASUREMENT STEP (MEASURED DIAMETER)
- STATISTICAL CURVE OF THE MOST RECENT VALUES
- GRAPHIC CURVE OF THE INDIVIDUAL PROPERTIES
- ANALYSIS BASED ON KEY FIGURES FROM THE STATISTICAL EVALUATION

