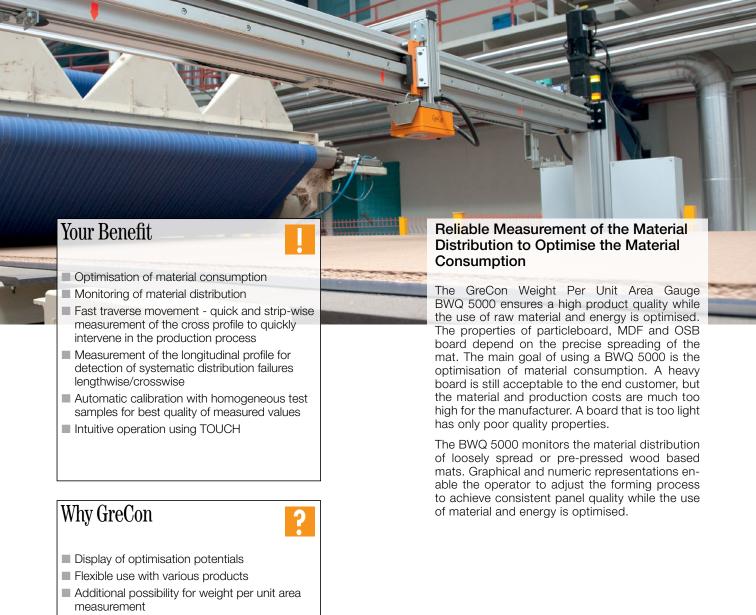


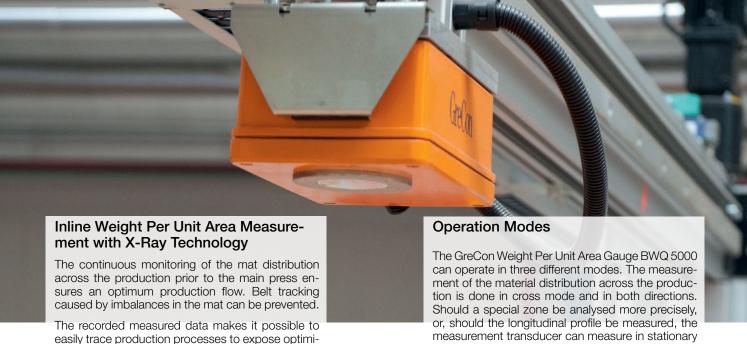
EN | R.02 | 2015.04 Subject to technical and country-specific modifications. © Fagus-GreCon Greten GmbH & Co. KG BWQ 5000



■ 3 operation modes:

cross, stationary and step mode

Variable traversing speed in cross mode



sation potentials. With the BWQ 5000 information combined with other process data in a higher-ranking process control system, additional optimisation potentials are revealed.

Measuring Principle

The weight per unit area gauge works in a non-contact method. An X-ray source is installed below, and a high-precision sensor above the material. Depending on the specific density and the amount of the material, more or less X-radiation is measured by the sensor. This is a measure for the weight per unit area (kg/m² / lbs/ft²).

mode at a certain position. Should several positions be analysed one after the other, this is done in step mode at predetermined time intervals or at certain points on the mat.



Network Connection

For the data transmission to higher-ranking process control systems, different network connections, such as OPC or ODBC, are available.

■ Visualisation

The core of the software package is the visualisation software. It records all measured values and processes them graphically. The simple menu structure, which is standard for all GreCon meas-uring systems, makes intuitive operation possible. Clear information and graphics enable the operator to quickly and effectively intervene in the running production process. The measured values are represented as a profile. Since measurement can be effected in three different operation modes, the mode determines how the profile is represented: as cross profile, as longitudinal profile or a combination of

This is a product database in which different panel types and production parameters, which are relevant for the measuring system, may be stored.

Database

The database stores the measured values and provides a function to export them to other file formats for further processing and evaluation. A uniform data structure provides easily accessible data for process control systems.



Technical Specifications

■ Supply voltage
■ Frequency 50 Hz / 60 Hz
■ Power consumption1,500 VA
■ Compressed air supply6 bar (90 psi)
■ Measuring ranges2 to 40 kg/m² (0.4 to 8 lbs/ft²)
■ X-ray tubemax. 50 kV at 1 mA
■ Repeating accuracy \pm 10 g/m² (\pm 1 σ)
■ Measuring resolution better than ± 20 g/m² at 40 kg/m²
better than ± 5 g/m ² at 2 kg/m ²

BWQ calibration unit in operation

near the material flow.





Diverse application possibilities

