

Technical Specifications

- Supply voltage..... 230 V / 115 V
- Frequency 50 Hz / 60 Hz
- Power consumption400 VA
- Measuring range per weighing cell.....500, 1000, 2000 kg
- Measuring accuracy ± 0.1 % of the end value of the measuring range of the weighing cell
- Number of weighing cells depending on the application 4, 6, 8

Applications

Wood based panel industry

- After the press
- Star cooler
- Sanding line
- Panel store (stack scale)

Long-time representation of weight and raw density



Fagus-GreCon
Greten GmbH & Co. KG

P.O. Box 1243
D-31042 Alfeld-Hanover

Phone +49 (0) 5181-79-0
Fax +49 (0) 5181-79-229
E-Mail sales@grecon.com
www.grecon.com

GreCon

Inline Weight
Measurement with
the Board Scale

GreCon
Measuring
Technology

GreCon
Fire
Protection



EN | R.01 | 2013.04
Subject to technical and country-specific modifications.
© Fagus-GreCon Greten GmbH & Co. KG

GS 5000

Your Benefit



- Measurement while production is running or standing still
- Can be combined with a thickness gauge to evaluate the raw density
- Elimination of incorrect panel weights, continuous monitoring of the material consumption
- Improved quality control

Why GreCon



- Application of various weighing cell types
- Vibration-damped radial supports

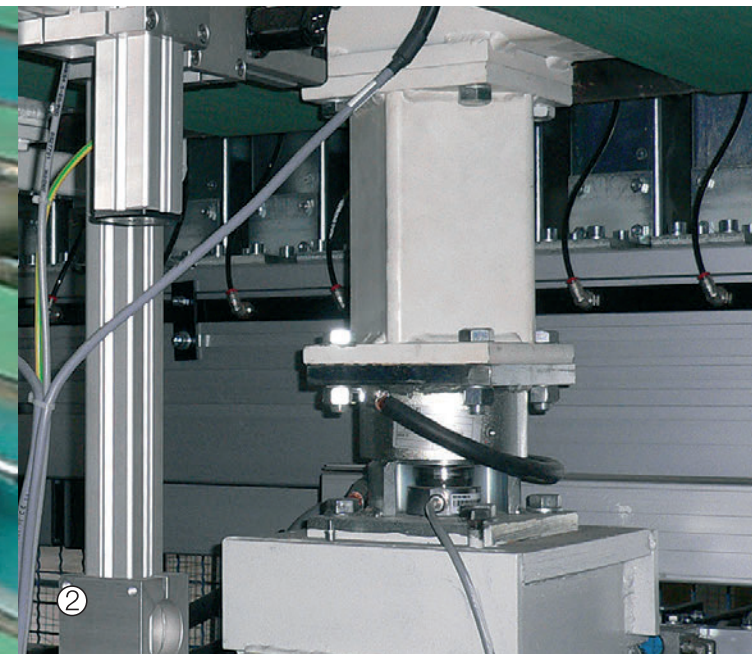
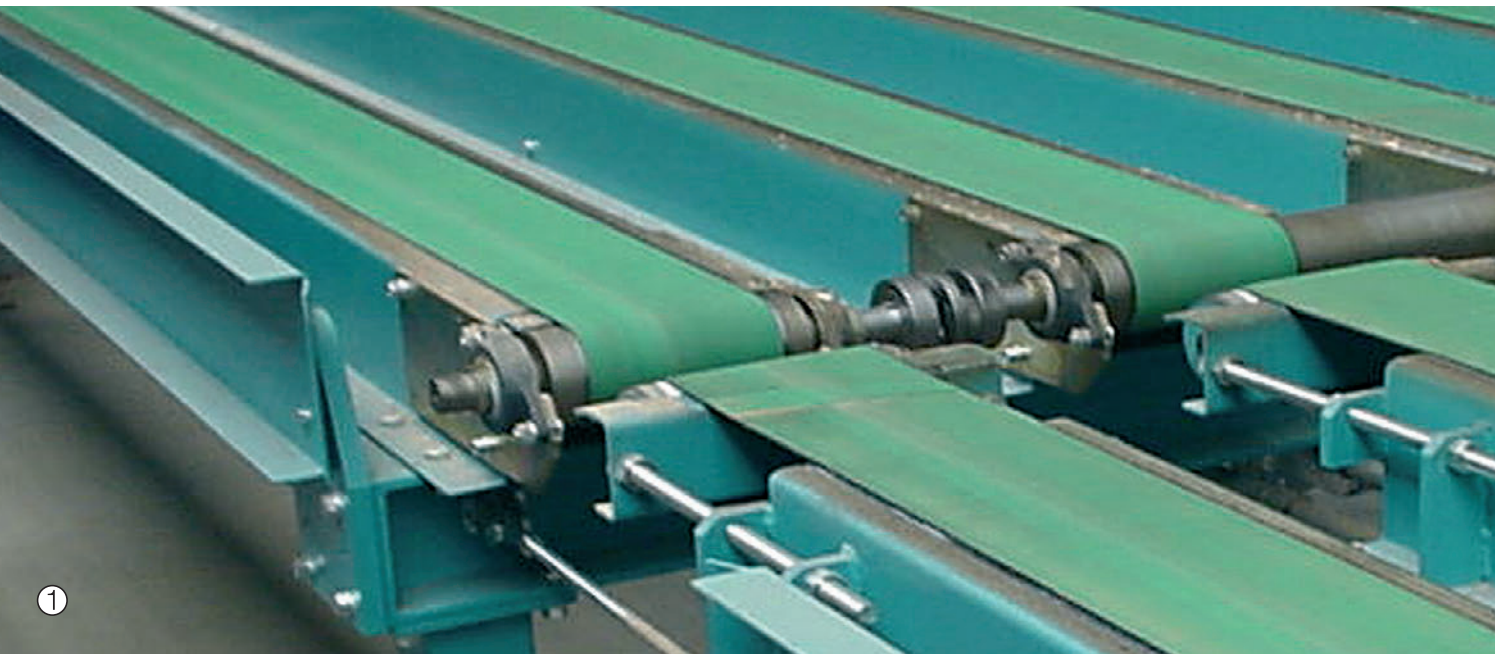
Easy Weight Measurement for Reliable Quality Control

The platform weighing scale measures the weights of solid materials, such as wood based panels. Measurement can be conducted both at stand-still and during running production. The weight is measured by specially developed radial supports with integrated weighing cells. Depending on the measuring task and the mechanical construction of the weighing table, weighing cells with an optimum measuring range are used.

The preferred use of the weighing system during production is to use a belt conveyor that eliminates vibrations with mechanical dampers, suspension arms and electronic filters that are integrated with the evaluation system. The length of the measured material, transport speed, mechanical dynamics, and electronic running times determine the table length and the weighing time of the scale during production.

The electrical signal which is generated in the weighing cells is pre-processed by a carrier frequency amplifier and then transferred to a control console. Representation and easy operation of the system are done by a touch screen. The weighing data can be sent to a network printer or the data transferred to a process control system. With an optional linkage with a GreCon thickness gauge, the average raw density and the weight distribution within the panels can also be calculated and used to optimise the process.

- ① Board scale with belt conveyor
- ② Radial support



①

②