

GraviPlast

30 YEARS OF EXPERIENCE



MADE IN GERMANY



FORMING LINE SCALE

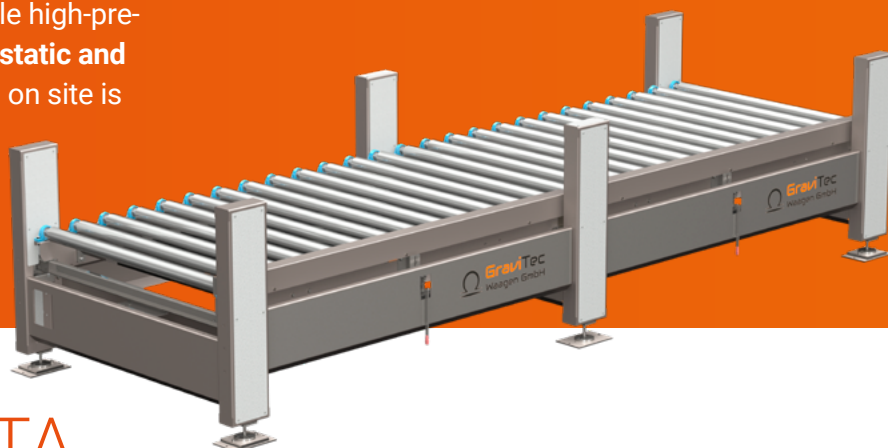
Robust, precise, reliable and durable: **weighing, monitoring, dosing and process controlling for the plate industry.**

GraviTec - FORMING LINE SCALE

We offer the perfect solution for continuous weighing of gypsum plasterboard. Highest **measurement accuracy, maintenance-freedom** and extreme **durability** - that's what is offered by GraviTec forming line scales!

We develop, manufacture and assemble high-precision industrial weighing systems for **static and dynamic applications**. Commissioning on site is offered on request.

Our robust designs can, even as retrofit, **be installed in almost any conveyor road**. The **forming line scale** is integrated into the conveyor road and complements the conveyor module. The installation is carried out directly on the hall floor.



TECHNICAL DATA FORMING LINE SCALE TYPE GT-FR-6000

VALUE	PROPERTY
Transported media	Plaster- and gypsum-fibre boards
Load carrier	Weighing unit - DMC (Dynamic Motion Control) version
Measuring range / surface weight	Up to 100 kg/m ²
System-accuracy	Up to 0,15 %
Measuring section	5400 mm
Measuring width	Up 1400 mm (in basic versions, further width options available on request)
Measuring height (conveyor top edge)	1100 mm (± 50 mm) (in basic versions, further height options available on request)
Overall dimensions (L x W x H)	5700 x 2030 x 1400 mm
Weight without packaging	1200 kg
Operating voltage	24 V DC
Materials	Stainless steel and coated steel
Sensing element	2x DMS-load cells
Nominal load of sensing element	Depending on surface weight
Overload protection	Up to approx. 250 %
I/Os	PROFIBUS® PROFINET® Analog output (further options on request)
Supply voltage	230 V AC with conversion to 24 V DC (further options on request)
Operating conditions	Indoor
Transport requirements	General guidelines for normally sensitive machine parts apply
Storage requirements	Dry, indoors

Function

The Gravi**Plast forming line scale type GT-FR-6000** is used for continuous **determination of surface weights within the continuous strand**, e.g. in the wet area of plasterboard production systems. Regardless of strand speed, spread width and conveyor load.

Special Feature

Interference based to friction or changes within strand tension are compensated due to the **special design** of these precision scales and therefore have no impact on **accuracy**.

FIELDS OF APPLICATION

Versatile & compatible

- Plaster and wood fibre boards
- Fibre cement boards
- Other plate-shaped endless strand products

THE FOLLOWING SIZE IS AVAILABLE AS STANDARD:

STANDARD SIZE	MEASURING SECTION LENGTH	SYSTEM-ACCURACY	DYNAMIC ACCURACY
GT-FR-6000	5400 mm	Up to $\pm 0,15 \%$	Up to $\pm 0,2 \%$

(All values may vary based on specific implementation and equipping)

GraviTec

FORMING LINE SCALE

Your benefits

Trend behaviour and variations are identified during the production process. Thus quick and specific countermeasures can be applied, use of raw material is optimised and **the quality of the product can be increased.**

An universally applicable measuring system that enables **fast, reliable and continuous weighing** of plasterboard and gypsum-fibre board.

Suitable for various applications

- Quick and easy installation
- Robust, precise and maintenance-free
- Small integration space demanding and compatible

Applicable in all areas

- Maintenance-free
- Retrofittable in existing plants

Versatile, strong and scalable

- Continuous weighing of moist up to solid products
- Individual measuring widths applicable

Ready to use ex works

- Delivered ready to use as our scales are adjusted already in our production plant.
- Installation and commissioning on site without support of external service providers possible

Special designs

- System accuracy up to $\pm 0.15\%$
- Individual solutions up to 100 kg/m²

We look forward to receive your requests!

NEW:
Attractive
Leasing-Offers

CONTACT

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**We are looking forward for your call,
we will be happy to assist you.**

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