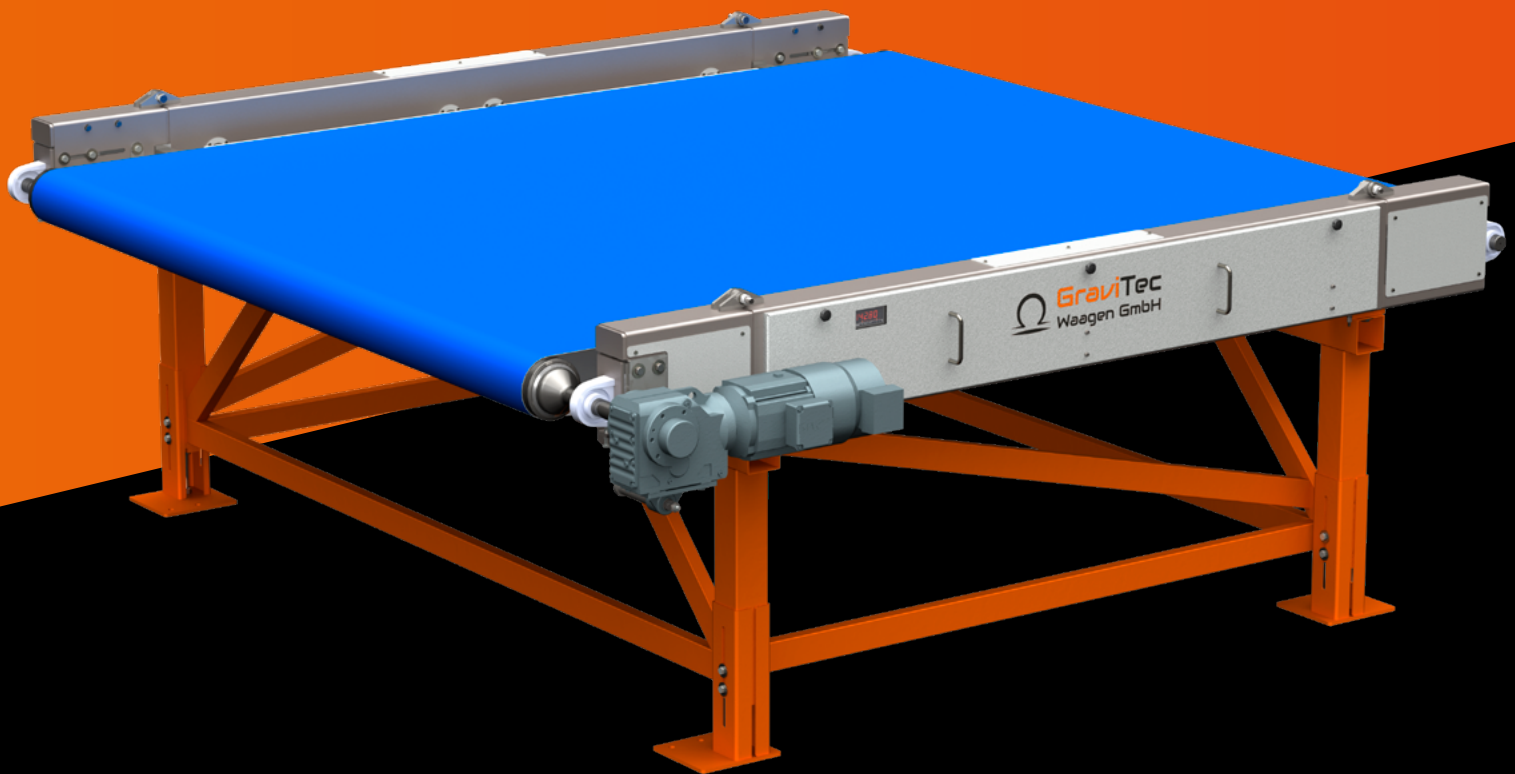


GraviDisp

30 YEARS OF EXPERIENCE



MADE IN GERMANY



DOSING BELT SCALE

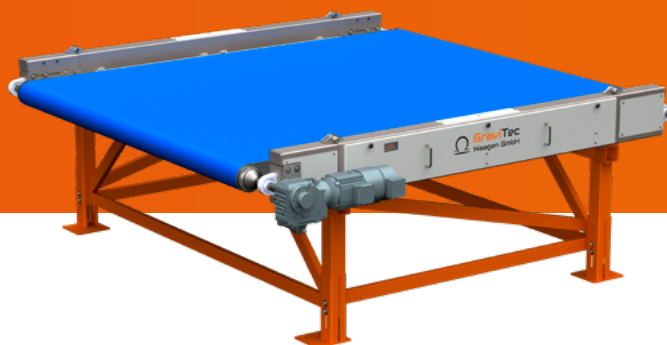
Robust, reliable - and multifunctional: **weighing, sharing, dosing and loading of bulk solids.**

GraviTec - DOSING BELT SCALE

We offer the perfect solution for continuous weighing and dosing of bulk solids such as wood, stones, building materials, fibres, feed, scrap, etc. **Highest measurement accuracy, maintenance-free** and extremely **durable** – offered by **GraviTec dosing belt scales!**

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

Our robust designs can be **retrofitted** in almost **any band dosing system**. The support can be realised as required on the existing frame construction or directly on the hall floor.



TECHNICAL DATA GRAVIDISP TYP GT-DBA

ATTRIBUTE	VALUE
Transported media	Chip- und fibre endless strands, bulk solids such as powder, granules, fibres, feed, hygroscopic and moist products such as plaster fibre, gypsum pulp or scrap.
Load carrier	Weighing unit - DMC (Dynamic Motion Control) version
Measuring range / surface weight	0,1 kg/m ² - 100 kg/m ²
System-accuracy	From ± 0,5 % up to 0,1 % of absolute value (depending on version)
Width of measuring bridge	500 mm - 3500 mm
Overall dimensions (L x W x H)	Depending on chosen size and measuring bridge width
Weight without packaging	Depending on chosen size and measuring bridge width
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, 24 V DC (further options on request)
Ambient temperature	-30°C up to +50°C
Operating conditions	In- und outdoor
Transport requirements	General guidelines for normally sensitive machine parts apply
Storage requirements	Dry, indoors

Function

The continuously conveyed material flow applies a load to the weighing section of the **dosing belt scales**. The **weight load** is weighed via two precision load cells. Due to its **special construction**, the structure of the weighing section guarantees a **very high measurement accuracy**.

The **belt speed** is recorded via speedometer generator mounted to the deflection drum. The weighing electronics mounted subsequently, determines the flow rate (kg/h or t/h) based on material weight on the weighing section and the **belt speed**.

Special feature

Interference based on friction or changes in strand tension are compensated due to the **special design** and therefore have no impact on accuracy.

FIELDS OF APPLICATION

versatile & compatible

- Mining and quarrying products
- Building materials
- Sand and gravel
- Cement
- Wood and energy carriers
- Feed
- Food
- Glassware
- Waste and recycling material

THE FOLLOWING SIZES ARE AVAILABLE AS STANDARD:

STANDARD SIZES	MEASURING SECTION LENGTH	SYSTEM-ACCURACY	DYNAMIC ACCURACY
GT-DBA-15	1500 mm	± 0,1 %	up to ± 0,3 %
GT-DBA-20	2000 mm	± 0,1 %	up to ± 0,25 %
GT-DBA-30	3000 mm	± 0,1 %	up to ± 0,2 %

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

GraviTec

DOSING BELT SCALE

Your benefits

Dosing belt scales of the **GraviDisp** series are suitable for a wide range of bulk solids weighing and dosages in which a horizontal conveyor is needed. The material flows in the production process can be monitored and regulated.

The dosing belt scales of the **GraviDisp** series are delivered **completed** with drive and evaluation electronics and **ready for operation by default**. Further features such as misalignment monitoring, remote display and much more are available on request.

Universally applicable measuring system for **fast, reliable and continuous weighing** of bulk solids such as powders, granules, fibres, feed, scrap and hygroscopic and wet products such as gypsum fibre pulp.

Suitable for high-demanding applications

- Quick and easy installation
- Robust and precise
- For conveying capacities up to 1,000 t/h
- Spread widths > 2.5 m applicable
- Individually customizable

Applicable in all areas

- Maintenance-free
- Retrofittable in existing plants

Special designs

- System accuracy up to $\pm 0.1\%$
- Individual solutions up to 100 kg/m²

Versatile and scalable

- Continuous weighing from moist to solid goods as well as from fine to coarse solids
- Various high-performance sizes available with slim designs for compact conveyor systems
- Individual measuring-widths and -sections applicable

Ready to use ex works

- Delivered ready for operation as it is already adjusted in our production plant.
- Installation and commissioning on site without support of external service providers possible

We look forward to receive your requests!

NEW:
Attractive
Leasing Offers

CONTACT

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www.GraviTec-Waagen.de