



Because the world is changing.  
Because we live in a world of limited resources.

## Every single gram counts,

and will count more and more.

Each resource is extracted, weighed, loaded, weighed, unloaded, weighed, analysed, mixed, weighed, processed, weighed, re-processed, weighed and measured, stored, distributed, weighed, used or consumed, and what remains is sorted, weighed... and sometimes recycled. This resource then becomes the resource of tomorrow.

Whoever we are - consumers, industrialists, manufacturers, service providers - whatever our trade or sector of activity, we are all part of this infinite loop of value creation, with resources that are not infinite.

### The World is changing, PRECIA MOLEN is evolving.

PRECIA MOLEN contributes to the improvement of your processes with integrated, custom solutions (hardware, software, services, etc.). This is the mission of our *Engineering Solutions* teams. Our experts are fully aware of the challenges facing your business sector and have a thorough understanding of the technical solutions needed to make significant and lasting improvements to your processes.

This is the Group's embodied vision: accepting that we all belong to something bigger than ourselves, to a complex dynamic system. Our challenges are the same, and in this world we must collectively do better.

**This is our mission, that is why we are here.**

Because every single gram counts.

EQUIPMENTS / SOFTWARES / SERVICES

design / manufacturing / certification / engineering  
marketing / installation / commissioning  
maintenance / after-sales support / repair / training

SINCE 1951

SINCE 1951

A network of experts  
around the world



Find  
our subsidiaries



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Precia-Molen reserves the right to alter at any time the equipment characteristics described on this brochure.

SINCE 1951

**RANGE**  
Integrating belt scales  
for bulk products

continuous  
weighing





# CONTINUOUS WEIGHING Infrastructures

Our totalizing scales are designed for belt conveyors from 400 mm to over 2.40 m wide, passing particle sizes up to 500 mm at a speed from 0.3 to over 6 m/s, allowing to calculate flow rates reaching 15,000 t/h (or even more).

In addition, our weight belts and weigh conveyors meet your specific applications such as automatic loading, food processes or tight circuits for powder-based products.

Possible for trade use as per OIML R50 with the I 410 BS indicator.

**Accuracy:** The operating accuracy accessible for a totalizing scale is +/- 0.5% to 2% passing flow, according to the weighing infrastructure chosen, technical constraints of the installation and conditions of use.

**Models:**

**FX** is made of a weighing station with built-in alignment system of the weighing plan, for an accuracy of accuracy of +/- 1 to 2% on belt < 1200 mm.

**TWIN** is made of a weighing station with built-in alignment system of the weighing plan, for an accuracy of accuracy of +/- 1 to 2% on belt conveyors > 1200 mm. Designed for large granulometries.

**SINGLE** in assembled or kit version, for an accuracy of +/- 2 to 5% on conveyors with a belt width < 650 mm.

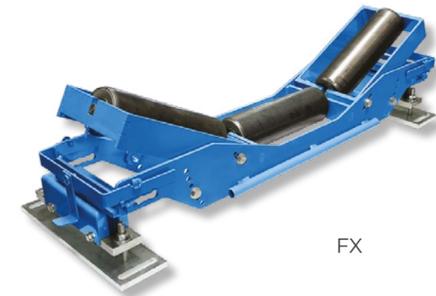
**MWS/MBW** is a weighing frame reusing the roller station of the conveyor for an accuracy of +/- 2 to 3% and for belt lengths up to 1600 mm.

**TAB** is a suspended weighing table with 4 load cells, 2 to 5 roller stations, for an accuracy of +/- 0.5 %.

**BT** is a fully-weighed belt conveyor with an accuracy of +/- 0.5, 1% or 2% depending of the length of model.

**VP** is a fully-weighed screw conveyor with an accuracy of +/- 2 to 3% depending on the product weighed.

**OPTIONS** special paint, Stainless steel 304 L / 316 L, hot galvanisation, tailor-made scales, Atex, adjustable stations, machined rollers...



FX



TWIN

**| Possibility of commercial transaction**



TAB 3



BT

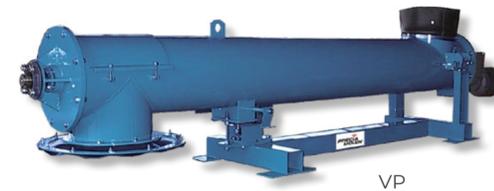
**| Options**



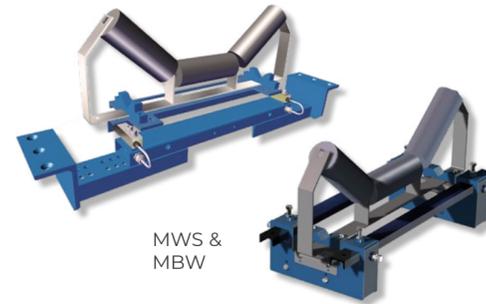
BT-S



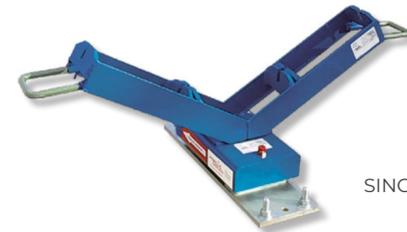
FX-S



VP



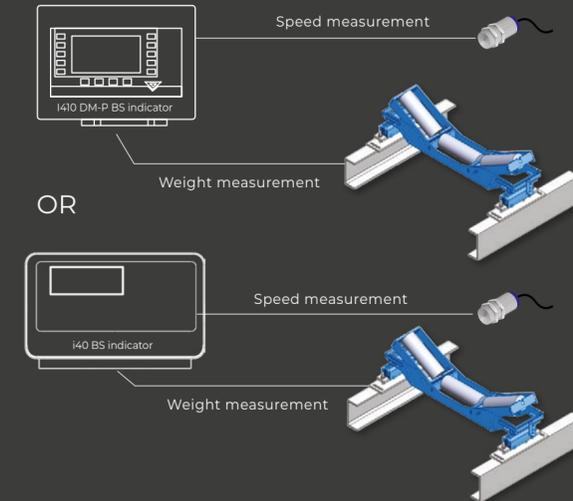
MWS & MBW



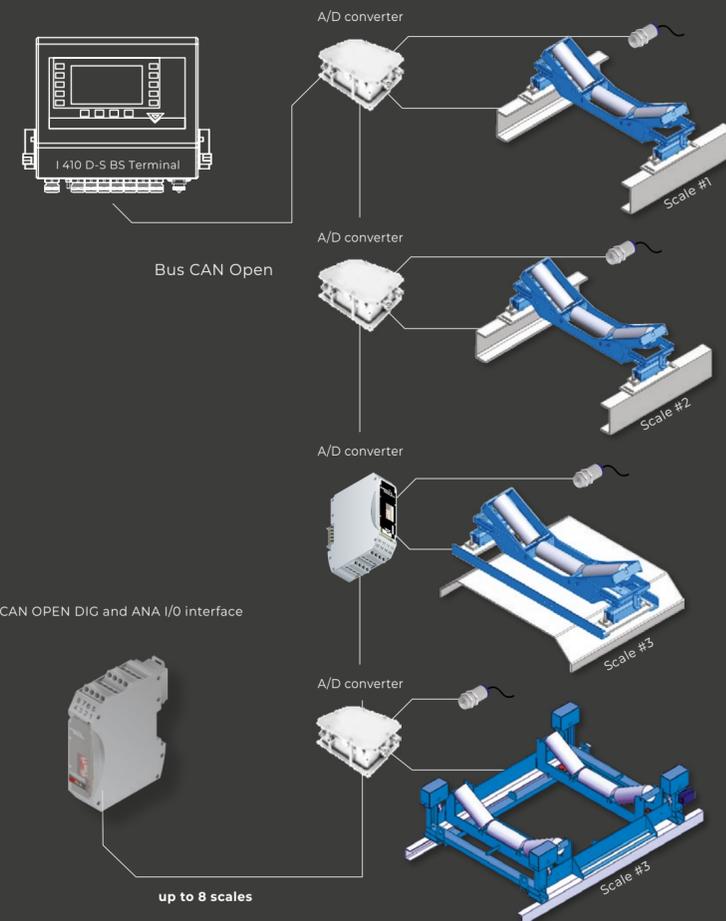
SINGLE

## I 410 BS System

**| Single-channel diagram**



**| Multi-channel diagram**



i410 BS indicator



I 410 Table top



I 410 TB BS transmitter



I 410 TC BS transmitter



CAN OPEN DIG and ANA I/O interface



Field bus coupler



I 410 bulk cabinet



DATABULK BS software