WEIGHING & ENGINEERING

A group of professional engineers with over 50 years experience in the field of dosing, mixing, weighing, handling and industrial automation. The technical capabilities and the wide range of weighing products developed make us the ideal partner to solve the most challenging applications.

The wide range of hardware and software solutions covers all typical industrial weighing applications for static and dynamic weighing in stationary and mobile conditions.

Successful applications for each industry

MINING     CEMENT     STEEL     COAL     METALLURGY

CHEMICAL  POWER PLANT  BIOMASS  WASTE  AGRI-FOOD
WEIGHING & HANDLING SOLUTIONS

- Weigh Belt Feeder
- Loss in weight
- Weighing Screw
- Weighing for filling
- Mass Flow Meter
- Belt Scale
- Weighing Platform
- Rotary + Belt Feeder
- Continuos Receipe
- Reclaiming & Weighing
- Check Weighing
- Weighing & Identification

WS210 the flexible Microprocessor weighing Platform

MICROPROCESSOR WEIGHING SYSTEM

WS210 is the flexible Microprocessor Measuring and Control System, with high accuracy, for the management of signals coming from Load Cells, suitable for Industrial Weighing Applications.

- **WS210/S:** for Static Weighing (weight measurement)
- **WS210/B:** for Belt Scale (flow rate measurement)
- **WS210/D:** for Belt Weighfeeders (flow rate measurement and regulation)
- **WS210/L:** for Loss In Weight Feeders (flow rate measurement and regulation)
STATIC WEIGHING SYSTEM

SAET static weighing systems are based on proven technology of Strain Gauge Load Cell, combined with special installation accessories (mounting kits); they represent an optimal solution in terms of reliability and accuracy within a range between 0.5kg to 100 tons.

The static weighing system is supplied with the Measuring and Control unit WS210/S, necessary for the managing of the signal from Load Cells and for the communication with any supervisory system.

BELT SCALE

Belt scales are suitable for installation on belt conveyors with 500 ÷ 2,000 mm belt width and speed up to 4 m/s. The weight measure (from Load Cell) and the speed measure (from Tacho Transducer) are processed by the Measuring and Control Unit WS210/B, which calculates the flow of material in transit on the belt conveyor and gives the totalized weight.
SAET Belt Weigh Feeders are to be installed directly under the storage silos: the structure and the idlers are designed to withstand, without deformation, the weight of material stored in the silos.

With a Belt width between 400 to 2,000 mm the design is accurately performed to match flow rates from 100 kg/h to 2,000 t/h. The weight measure (from Load Cell) and the speed measure (from Tacho Transducer) are processed by the Measuring and Control Unit WS210/D, which regulates the speed of the belt in order to maintain the instant flow rate close to set flow rate with accuracy of ± 0.5%.
Loss in Weight Feeders measure the flow rate from the material weight decreasing: the system consists on a storage hopper regulated in extraction, the weight measure (from Load Cell) is processed by the Measuring and Control Unit WS210/L, which regulates the speed of the screw in order to maintain the instant flow rate close to set flow rate. This type of feeders is used with flow rate between 50 and 5,000 kg/h, for powders, granules and flakes.

Mass Flow Meters are used for granular and powdered material in the range between 2 and 100 t/h, they are based on the reaction measurement of the material passing along a particular shaped measuring chute. The accuracy is ±1.5% related to the flow calibration and the system is designed to operate within a range 20 ÷ 100%.
Belt Control Equipment

Proximity Speed Switch

Shaft Speed Switch

Position Limit Switch

Belt Drift Switch

Emergency Pull Rope Switch

Weighing Automation
SCADA

the flexible proven reliable solution for process industry