



Weighing for process automation

Plant engineering, machine control



Optimize the productivity of your processes...

Thanks to our automation skills and expertise in weighing applications, we can offer weighing solutions to optimize your productivity and the availability of your equipments. Easy to integrate into automated systems, these solutions cover your entire needs for monitoring and control of your manufacturing processes.

OUR DIFFERENCE...

We back you up in the design and set-up...
We reduce your development and integration costs ...
We increase your productivity...
We improve the quality of your products...

FIELDS OF EXPERTISE:

Our solutions, dedicated to machine manufacturers and plant engineering companies, have been specifically designed for integration into automated systems. They will allow your developers to quickly design automation solutions that will help you to improve the efficiency of your manufacturing processes.

You will take advantage of our expertise in the field of weighing solutions as our controllers integrate comprehensive and high-performance application functions. These evolutive and easily configurable solutions cover the entire supply chain.

PLANT engineering

- Food & Beverage
- Mining, Metals and Minerals
- Chemicals/Pharmaceuticals
- Waste management
- Engineering/Automation

MACHINE control

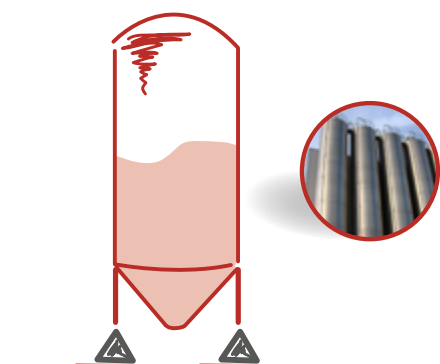
- Packing
- Packaging

INTEGRATION & CONNECTIVITY:

Our controllers are designed to be integrated into automated systems ensuring connectivity with the main industrial networks on the market...



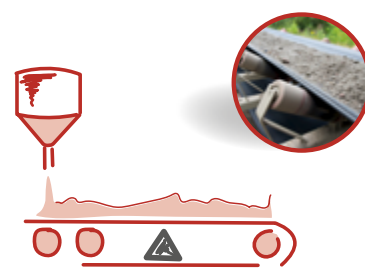
Storage



Silo and tank weighing

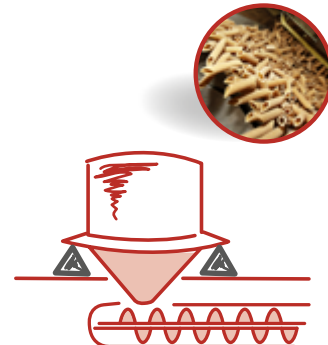
Accurate storage control for small size tanks up to several hundred tons silos thanks to a **non-intrusive technology** regardless of the container shape.

Material supply



Belt Weighing & Dosing

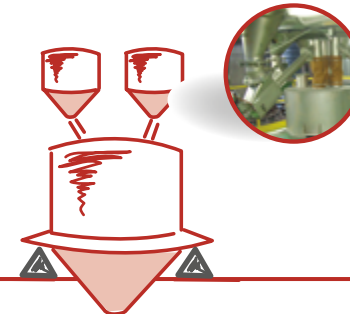
Material transfer on conveyor belt with **flow regulation and continuous totalization**.



Loss-in-weight dosing

Get a constant material **flow** at very high accuracy.

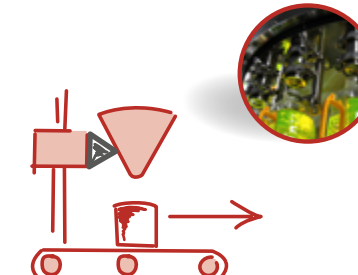
Manufacturing



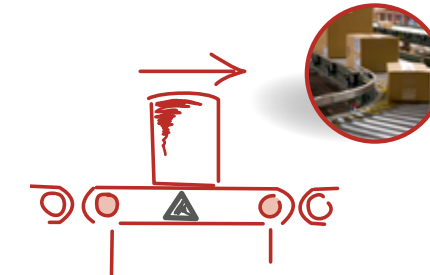
Dosing & Filling

Accurate, fast and reproducible filling to ensure the quality of the products and reduce defective batches.

Packaging



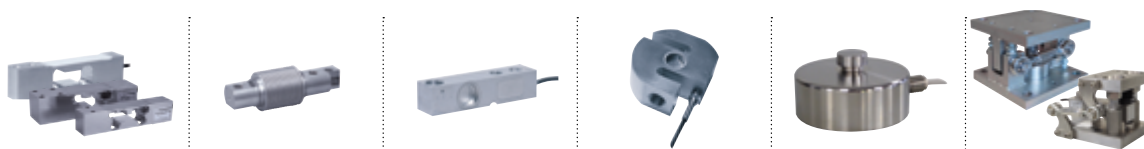
Control



Checkweighing & sorting

Weighing for the **grading of products or missing parts check** before shipment.

LOAD CELLS AND MOUNTING KITS



Type	Single points	Bending beams	Shear beams	Tension	Compression	Mounting kits
Application	Mono-cell Belt weighing, conveyor and tank weighing	Mono/multi-cell Belt weighing, conveyor and tank weighing	Multi-cells Conveyor and tank weighing	Mono/multi-cell Conveyor or hanging hopper weighing	Multi-cell Tank or silo weighing	Compression/Tension Conveyor, tank or silo weighing
Capacity (Cn)	200 g ... 635 kg	5 kg ... 500 kg	300 kg ... 5 t	25 kg ... 7.5 t	250 kg ... 1 000 t	5 kg ... 750 t
Construction	Aluminum IP65 Inox IP65/IP69K	Stainless steel IP68	Alloy steel IP67 Stainless steel IP68	Alloy steel IP67 Stainless steel IP68	Stainless steel IP68	Alloy steel Stainless steel
Certification	OIML, ATEX, IECEx, EHEDG, FM	OIML, ATEX, IECEx, FM	OIML, ATEX, IECEx, FM	OIML, ATEX, IECEx, FM	OIML, ATEX, IECEx	EN1090

ELECTRONICS AND DIGITAL LOAD CELLS



Model	AAD/DVX/DVS	IPE50	CPJ	eNod3	eNod4	PMESWT
Type	Digital single point load cells	Weighing indicator	Analog transmitter	Weighing controller		Automation weighing module
Capacity (Cn)	5 kg ... 75 kg	1 to 4 channels	1 channel	1 channel	1 channel	1 channel
Construction	Aluminum IP65 Stainless IP68/IP69K	Din Rail Panel	Din Rail Box	Din Rail Box	Din Rail Stainless box IP65	Backbone
Certification	OIML, EHEDG	OIML	-	OIML	OIML, ATEX, IECEx	-

Integrated applications

	Versions				Versions					Versions				
	C	D			T	C	D	T	C	D	B	F		
Weighing transmitter	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Weighing controller, grading	•	-	-	-	-	-	-	-	-	-	-	-	-	-
Dosing, filling	-	•	-	-	-	-	•	-	-	•	-	-	•	-
Weighing, belt dosing	-	-	-	-	-	-	-	-	-	-	•	-	-	-
Loss-in-weight dosing	-	-	-	-	-	-	-	-	-	-	-	•	-	-

Interfaces

Inputs/Outputs	2 I/4 O	2 I/2 O	2 O	2 I/4 O	4 I/4 O	4 I/4 O	2 I/4 O
Analog output	-	•	•	-	•	•	-
Bluetooth	-	-	-	-	•	•	-

Industrial networks

Modbus-RTU	•	•	•	•	•	•	•
Modbus-TCP	-	-	-	-	•	•	•
CANopen®	•	-	-	•	•	•	•
PROFIBUS-DP	-	•	-	-	•	•	•
PROFINET®	•	-	-	-	•	•	•
EtherNet/IP	•	-	-	-	•	•	•
EtherCAT®	-	-	-	-	•	•	•

PLC backbone

• As a standard ◦ As an option



Touchscreen
eNodTouch-S

HMI

◦ 4"3 - 5"7 ◦ 4"3



Headquarter: Technosite Altéa - 294, Rue Georges Charpak - 74100 JUVIGNY - FRANCE
SCAIME SAS - 294, RUE GEORGES CHARPAK - CS 50501 - 74105 ANNEMASSE CEDEX - FRANCE
Tél. : +33 (0)4 50 87 78 64 - Fax : +33 (0)4 50 87 78 46 - info@scaime.com - www.scaime.com

Download all our documents on our website