scaime

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 develoment
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.
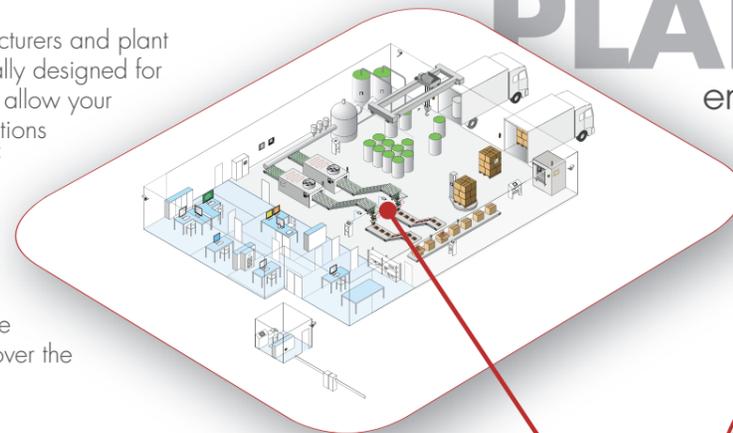
PLANT
engineering

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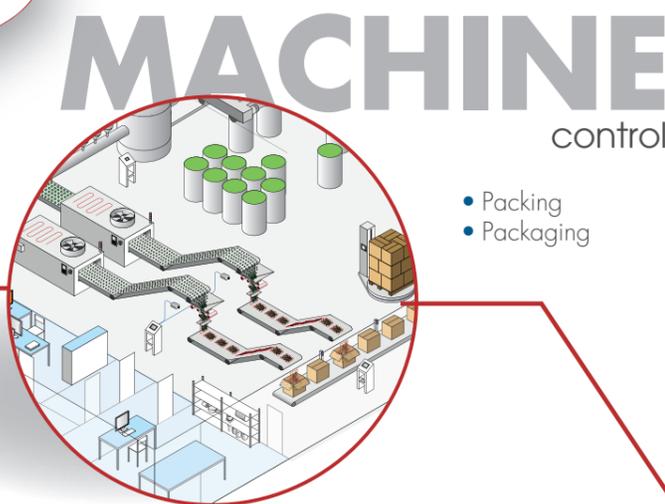
MACHINE
control

- Packing
- Packaging

INTEGRATION & CONNECTIVITY:

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

CANopen   Modbus   EtherNet/IP
PROFIBUS   PROFINET   EtherCAT
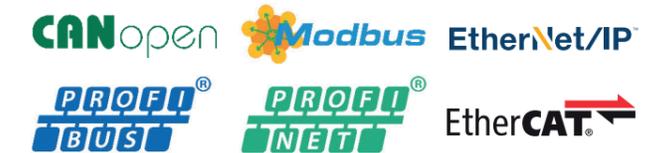
SCAIME is also Schneider Electric's official partner for weighing applications. This partnership ensures a perfect connectivity between our solutions and Schneider's automation architectures.

Collaborative Automation
by
Schneider Electric
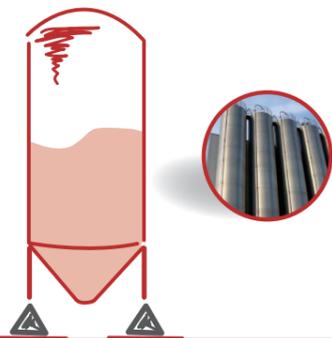
Storage

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
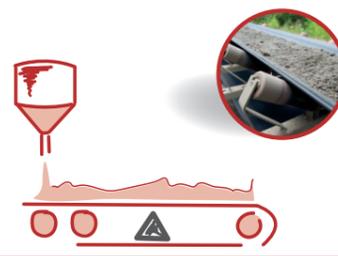
Belt Weighing & Dosing

Material transfer on conveyor belt with **flow regulation and continuous totalization.**
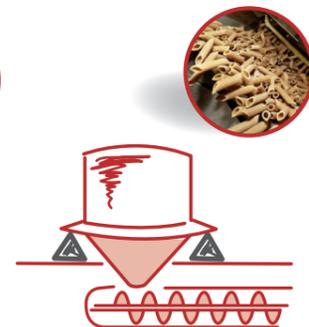
Loss-in-weight dosing

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

Manufacturing
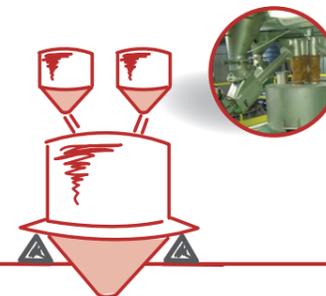
Dosing & Filling

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

Packaging
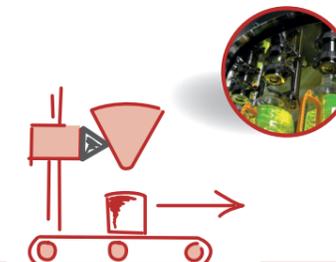
Control
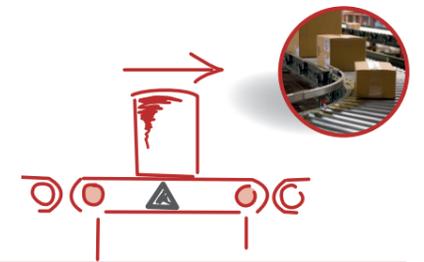
Checkweighing & sorting

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

• • • • • • • • LOAD CELLS AND MOUNTING KITS • • • • • • • •
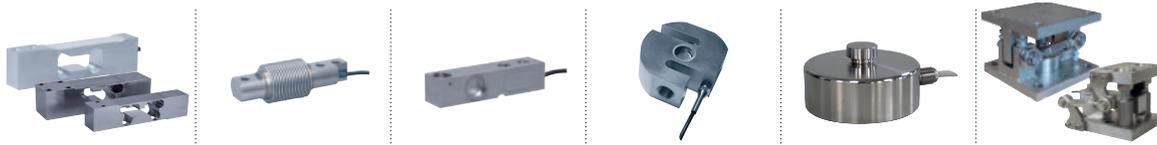
Type	Single points	Bending beams	Shear beams	Tension	Compression	Mounting kits
Application	Mono-cell Belt weighing, conveyor and tank weighing	Mono/multi-cell Belt weighing, conveyor and tank weighng	Multi-cells Conveyor and tank weighng	Mono/multi-cell Conveyor or hanging hopper weighing	Multi-cell Tank or silo weihging	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	OIML, ATEX, IECEx	OIML, ATEX, IECEx	OIML, ATEX, IECEx	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	Aluminim 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					-
Integrated applications													
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	-		•	•	-			o		o			-
Bluetooth	-		-	-	-			o					-
Industrial networks													
Modbus-RTU	•		•		•			•					
Modbus-TCP	-		-		-			o					
CANopen®	•		-		•			•					
PROFIBUS-DP	-		•	-	-			o					PLC backbone
PROFINET®	-		-		-			o					
EtherNet/IP	-		-		-			o					
EtherCAT®	-		-		-			o					
HMI													
Touchscreen eNodTouch-S				-				o 4"3 - 5"7					o 4"3

• As a standard   o As an option

scaime

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
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