FEEDING - WEIGHING

CHECKWEIGHER – CW1 - box

OPERATING PRINCIPLE AND USE

The CW1 checkweigher is a weighing machine used for in-line control of weight of any packed object (product) automatically conveyed.
In the most various industries and for the most various products grouped in the boxes the Sautelma Rrotolok CW1 checkwigher allows to :
- Check the weight of assembled packages and detect the missing (un-complet) boxes.
- Categorize the products according to their weight.

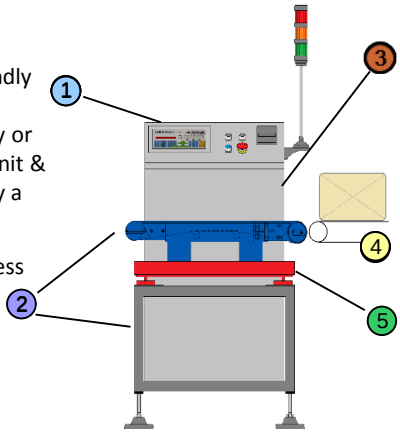
COMPOSITION AND CHARACTERISTICS

The CW1 checkweigher is made of four main parts:

- A handling system including the supporting frame and a conveying belts
- A weighing system by weighing plate including one or several load cells and the digital signal processing unit
- An electrical control command cubicle ,
- An electronics controler for control of all machine functions and data processing
- A rejection system adapted to the product packing

MINISMART 1 or 2 weighing controler for processing and control with very friendly user interface including:
- Colot Tuch-screan with large size display or
- High visibility LED type weight display unit & LCD display for the conversation mode by a multifonction keyboard

Belt conveyor are made in mild or stainless steel with AC drum motor, IP65,
Sturdy, stainless or mild steel frame,
Modular made, easily taken apart
Complete housing of conveyors (option)

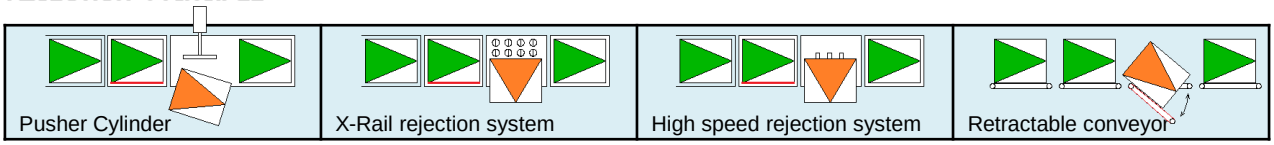


Single block IP 55 electrical cubicle made in mild steel or stainless steel including the speed variators, transformer, 24V power supply, the relays, the connecting terminal as well as the circuit breaker and the emergency stop

Rejection system adapted to the products

Dynamic weighing system by :
. Highly accurate weighing plate with one, two or four strain gauge load cells,
Digital signal processing unit in IP 65 or IP67 protection.

REJECTION PRINCIPLE



TECHNICAL SPECIFICATION

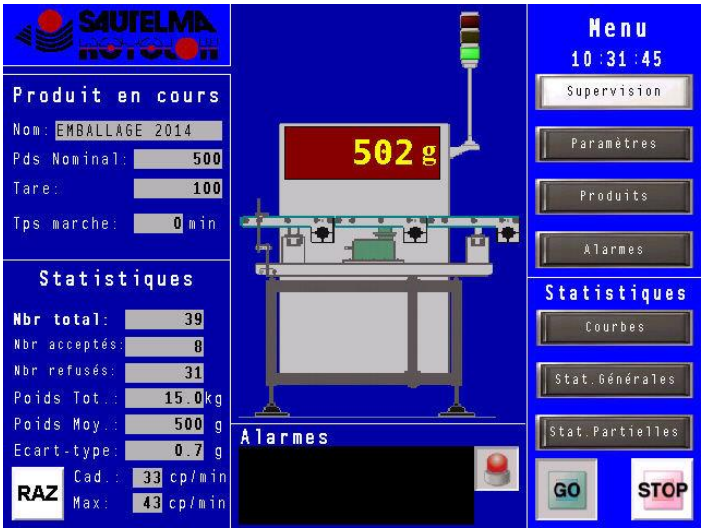
Weighing range	3000 to 50000 g
Speed	Up to 100 weights / min
Weighing accuracy	Starting from 2 g
Storage capacity	Up to 60 different products
Power supply	220/380V/single /50Hz (400 VA)
Pneumatic supply	6 bars (10 Nm3/H)
Approval	OIML MID Approved for legal trade

ADVANTAGES

Modular conception
Sturdy belt conveyor with motorised pulley
Digital signal processin
Friendly man-machine interface
All inputs/outputs as well as applications are configurable and easily adjustable
Fast & easy comussionning

SAUTELMA ROTOLOK
At the center of your system

MINI SMART CONTROL SYSTEM



- **Data display and user interface including :**
  - Color Tuch-screan and high-visibility display or
  - High visibility LED type weight display unit & LCD display for the conversation mode by a multifunction keyboard

- **Software**
  - Memorization of 60 various products (up to 300 in option)
  - Continuous maintenance of zero to guarantee the initial zero stability
  - Statistics processing as per R 51 recommendation
  - Automatic checking of TU1, TU2 and average weight
  - Automatic control of conveyors speed (OPTION)
  - Automatic control of distance between products & management of throughput (timing) fault,
  - Online help function,
  - Control of rejection system (confirmation of rejection)
  - Access to software configuration by password.
  - Communication interface as MODBUS, PROFIBUS, ETHERNET TCP/IP

Options

- Metal detector
- High speed « up & down » rejection system
- Throughput improve by single conveyor for aceleration
- Special conveyors for product sorting
- Printer to issue the production statistics

SAUTELMA ROTOLOK
PARTIAL STATISTICS
Zeroing : 08/10/2014 16:52:37
Printing : 08/10/2014 17:43:48

Machine: Line N° 2
Product name : Sugar 2000 g
Product code : 02000
Nominal weight : 2000 g
Targeted weight: 2000 g
Tare 2,5 g
T02 limit : 2200 g
T01 limit : 2100 g
TU1 limit : 1900 g
TU2 limit : 1800 g
----------Total production------- --------
Total : 3064
Total weight :6135,8 g
----------Accepted production------- ---
Total : 3061
Total weight : 6130,5 Kg
Average weight : 2002,80 g
Standard deviation : 2,36 g
Giveaway (%) : 0, 14 %

ZONE ++ : 0
ZONE + : 0
ZONE = : 3061
ZONE - : 0
ZONE -- : 3

----------HISTOGRAM----------
P(g) % +---------+---------+

2010	1]	▮
2009	1]	▮
2008	1]	▮
2007	1]	▮
2006	1]	▮
2005	3]	▮▮▮
2004	4]	▮▮▮▮
2003	5]	▮▮▮▮
2002	8]	▮▮▮▮▮▮▮▮
2001	29]	▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮
2000	29]	▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮
1999	7]	▮▮▮▮▮▮▮
1998	5]	▮▮▮▮▮
1997	2]	▮▮
1996	3]	▮▮▮
1995	1]	▮
1994	1]	▮
1993	1]	▮
1992	0]	
1991	1]	▮

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