



# CHECKWEIGHER – CW1 - bag



## OPERATING PRINCIPLE AND USE



The **CW1 checkweigher** is a weighing machine used for in-line control of weight of bulk materials packed in bags of 10 to 50 kg automatically conveyed.

In the most various industries the Sautelma Rrotolok CW3 checkwigher allows to :

- Check continuously the pre-packed products and reject the products with weight shortages (metrological checking for pre-packed units - legal trade).
- Measure and totalize the weight of the production.
- Correct automatically a volumetric weigh feeding by mean value feed-back control software for one or more weighing heads.

## COMPOSITION AND CHARACTERISTICS

The **CW1 checkweigher** is made of four main parts:

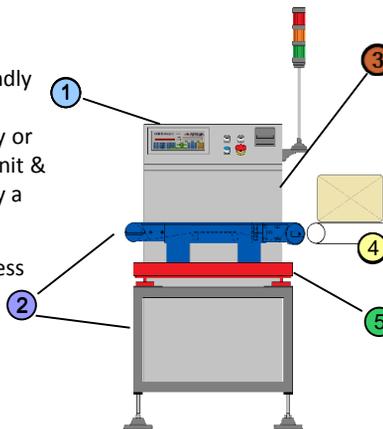
- A handling system including the supporting frame and one two conveying belts
- A weighing system by weighing plate including one or several load cells and the digital signal processing unit
- An electrical control command cubicle ,
- An electronics controler for control of all machine functions and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

### MINISMART 1 or 2 weighing controller

for processing and control with very friendly user interface including:

- Colot Touch-screen 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)

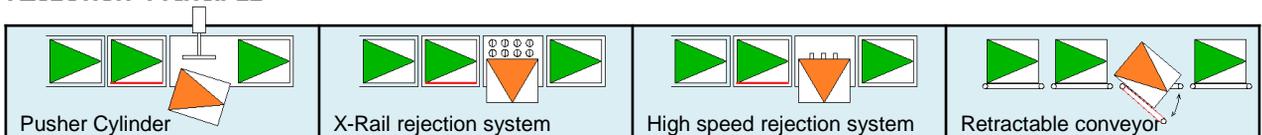


**3 Single block IP 55 electrical cubicle** made in mild steel or stainless steel including the speed variators, transformer, 24V power supply, the relays, the connecting terminal as well as the circuit breaker and the emergency stop

**4 Rejection system** adapted to the products

**5 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



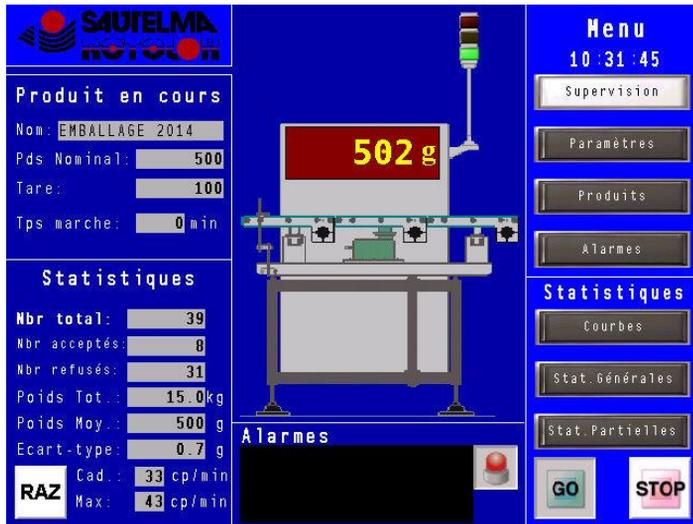
### TECHNICAL SPECIFICATION

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 comussioning

# MINI SMART CONTROL SYSTEM



- **Data display and user interface including :**
  - Color Touch-screen 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 acceleration
- 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 %

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