

CHECKWEIGHER – CW3

OPERATING PRINCIPLE AND USE



The CW3 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 (boxes, tubes, pastry boats, bags, jars...) the SAUTELMA ROTOLOK CW3 checkweigher allows to :

- Check continuously the pre-packed products and reject the products with weight shortages (metrological checking for pre-packed units - legal trade).

- Check the weight of assembled packages to detect the missing (un-complet) boxes.

Categorize the products according to their weight.

- 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 CW3 checkweigher is made of four main parts:

- A handling system including the supporting frame and two or three conveying belts
- A weighing system including the strain gauge load cell and the digital signal processing unit
- An electrical control command cubicle
- An electronics controller for control of all machine functions and data processing
- A rejection system adapted to the product packing

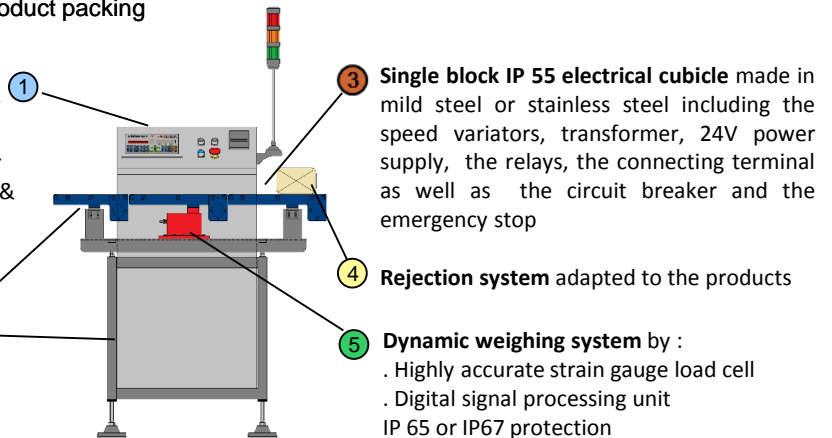
MINISMART 1 or 2 weighing controller

for processing and control with very friendly user interface including:

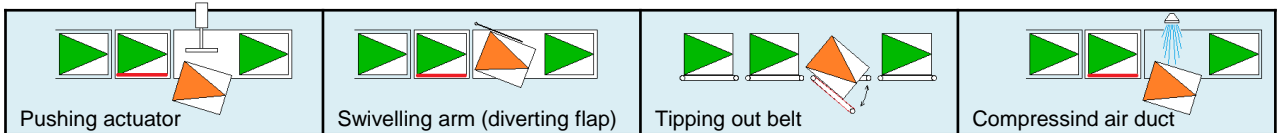
- Colot Touch-screen with large size display or
- High visibility LED type weight display unit & LCD display for the conversation mode by a multifonction keyboard

Belt conveyors

are made in anodised aluminium or stainless steel, Sturdy, stainless or mild steel frame, Drive by gear motor AC or Brushless, IP 65 Modular made, easily taken apart Complete housing of conveyors (option)



REJECTION PRINCIPLE



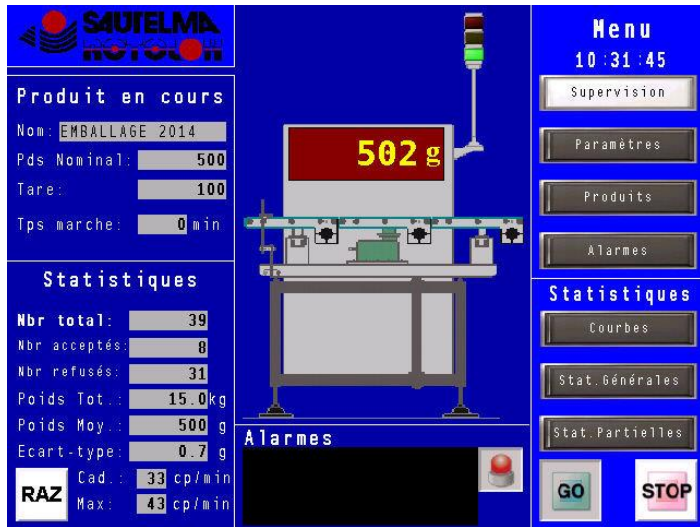
TECHNICAL SPECIFICATION

Weighing range	30 to 900 g & 300 to 3000 g
Speed	Up to 250 weights / min
Weighing accuracy	Starting from 0,2 g
Storage capacity	Up to 60 differents 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

MINI SMART CONTROL SYSTEM



SAUTELMA ROTOLOK

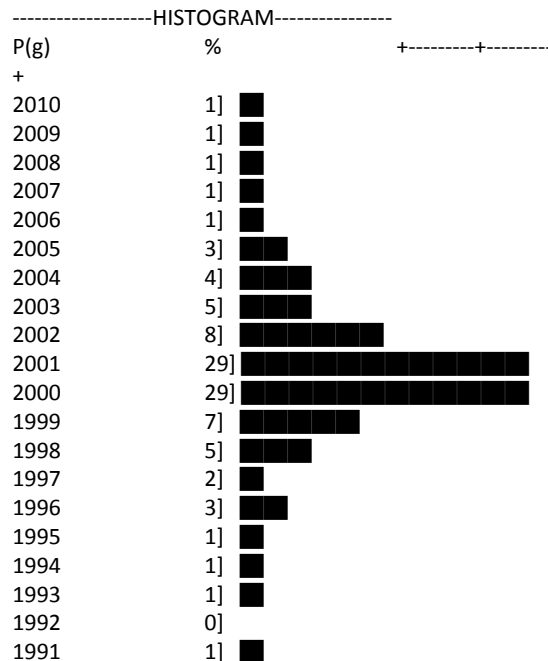
PARTIAL STATISTICS

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



- **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
- Throughput improve by single conveyor, twin vertical conveyors or screw
- Special conveyors for product sorting
- Printer to issue the production statistics

