![scanvaegt systems logo]

Scanvaegt SC500 Checkweigher

Total Quality Control

IMPROVING PRODUCT QUALITY, PROFITS AND YOUR BRAND

The SC500 Checkweigher is the efficient solution for weight control, e-weighing and metal-detection. It automatically controls all products and rejects the ones with over- or underweight, ensuring optimum product quality and the reputation of the company.

Optimising product quality and increasing production efficiency

Based on a thoroughly tested weighing technology, the SC500 represents an efficient solution for weight control, e-weighing, metal-detection and data capture.
The SC500 automatically controls all products and rejects the ones with over- or underweight, ensuring optimum product quality and the reputation of the company.

QUICK BELT RELEASE ENSURES EFFICIENT CLEANING

The belts can easily be released and completely removed, allowing for free access and thorough cleaning under the conveyor sections.

Precise, reliable and versatile

The SC500 is characterised by being extremely fast - up to 246 items per minute - flexible, precise and very easy to clean.

Compact and flexible design

The compact design of the checkweigher and the height adjustment in fixed steps of the conveyor section makes it very easy to fit into existing packing lines.

Policeman

The SC500 weighs the products and checks if they comply with the pre-defined weight limits.

e-weighing

The SC500 sums up weight and number in a batch during production, checks if the total complies with the e-weighing regulations for mean value and rejects the products, which otherwise could result in rejection of the entire batch at a sampling.

Regulation of filling process

The SC500 can regulate the quantity supplied from a filling machine, e.g. a multihead weigher, slicer or meat pump.

Metal detection

The SC500 is available with integrated metal detector, which inspects the products and will reject them if they are contaminated with metal.

SC500 with metaldetector

The SC500 is available with a wide range of conveyor dimensions, making it possible to handle several product sizes and packing types, e.g. bags, glasses as well as boxes and cans.

The innovative design of the SC500 incorporates several strong features

Intelligent bin controls reject function and logs data

The bin has sensors for confirmation of reject and full bin, and it controls the supply of compressed air. In case of errors an alarm is sent to the operator.

Individually customised reject-methods

The SC500 is available with various reject-methods and can be fitted with the best method for handling the products gently, thus avoiding damaged products and ensuring efficient operations.

Simple release of reject-section for thorough cleaning

The entire reject-section of the t-pusher can be released simply by turning a finger screw.

Easy-to-clean design ensures optimum hygiene standards

The innovative design with sloping lines and surfaces makes water and liquids drain off the machine easily, thereby reducing dry-time. The round pipe-profiles and an open construction prevent dirt and bacteria from sticking, and make it easy to clean the checkweigher.

Tiltable conveyors with beltrelease ensures efficient cleaning under the conveyors

By just turning two finger locks - no tools are required – the infeed and weighing conveyors can be tilted into upright locked position. The belts can be released by turning a handle, allowing for free access and easy cleaning under the conveyor sections.

Drip pan prevents dirt from collecting on the machine

Under the conveyor section the SC500 has a drop-down drip pan, which will collect residue preventing it from sticking or falling onto the floor.

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Comprehensive production overview

Technical specifications

Material	Stainless
Display	15" 4:3; Touch-screen
Environment	Wet and Dry environment
Dimensions	Belt width 250 mm
	Weighing conveyor length: 325, 400 or 500 mm
	Infeed conveyor length: 400 mm
	Belt width 330 mm
	Weighing conveyor length: 400 or 500 mm
	Infeed conveyor length: 400 or 600 mm
Reject conveyor length	600 mm
Reject-typer	T-pusher, catch arm, flipper arm, bin, roller lane
Metal detector - open height	110, 160 or 210 mm
	Conveyor length: 930 or 1030 mm
Belt types	Full belt or strap belt
Line height	600 to 1100 mm, in steps of 50 mm
Weighing capacity	3 kg/1 g
Weighing range	50 g – 3.000 g
Tare	0 – 500 g
TWR	Up to 246 pieces per min
Belt speed	20-80 m/min.
Belt material	Food-approved
Power supply	220-240 V 50 Hz
Compressed air supply	Min. 6 bar dry, clean air
Temperature range	0°C – +30°C
Software	Policeman, e-weighing, feedback
Options	Connection to PlusFlex PM pc, data output, metal detector connection, light tower with status signal
Verification	MID / R51:2006 XIII(1) og Y(a)
IP Rating	IP66
IP Rating - load cell	IP67

Subject to change without notice.

Controlling and improving production

The SC500's software package provides a comprehensive overview, numerous possibilities to optimize the production and precise production supervision by clear and structured statistics information and graphs.

The userfriendly operator interface has a simple navigation structure and clear letters, and offers easy product-setup and article features which reduce changeover time.

The SC500 software package also includes the optional Plusflex PM (production management), which is an application for:

• Reporting: reports stored in a SQL database
• Monitoring: real-time status of one or several SC500s
• Controlling: including managing databases and product-setups of the SC500

Software

Standard

Policemann: Reject of overweight and underweight.

Options

E-weighing: Reject based on mean weight, Tu1 – Tu2

Batch control system based on time or numbers

Feedback handling filling processes

Production monitor with selectable information and graphs

Metal detector

Easy language selection

Reject of not-weighed products

Reject control

Compact design & flexible product range

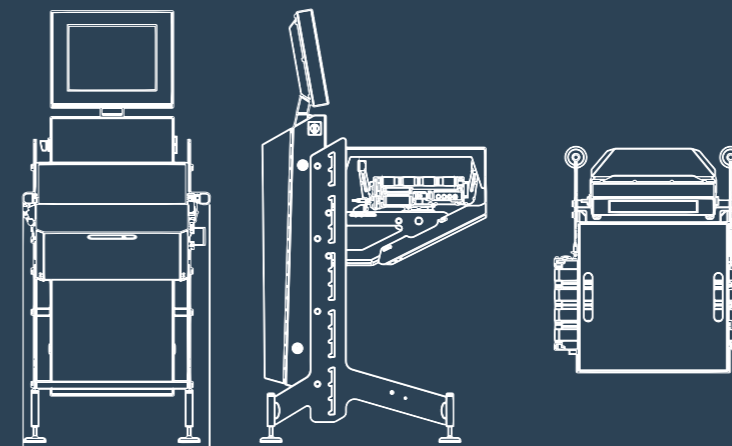2-belt   3-belt with reject   2-belt with separate reject   1-belt with metal detector and separate

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Market-leading supplier

Scanvaegt Systems is a Danish-owned company, established in 1932. We develop, produce and market weighing systems, labelling lines, inspection equipment, related IT-systems and traceability solutions. Scanvaegt Systems has its head office in Aarhus, Denmark, and subsidiaries in Norway, Sweden, Germany and Poland, and distributors in a number of other countries. The staff is of app. 200 employees.

Service and support are crucial factors in any type of production company and keywords for us. For this reason we place comprehensive service and support facilities at our customers' disposal. The Scanvaegt service package comprises: Preventive maintenance, training and instruction, installation and on-site repairs, spare parts, hotline & online supportsoftware service, verification and calibration.

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