



ABOUT US

Our company was established in 2009 as an R&D company. After successfully completing numerous projects in the field of automation, we began providing services in the field of Quality Control Machines. With customer satisfaction always as our top priority, our company designs not only standard models but also custom-made machines tailored to specific products. We have carried out projects with leading companies in sectors such as food, pharmaceuticals, chemicals, plastics, cosmetics, poultry, meat, and fish. Our machines, which operate at high speed and precision, are continuously improved under the supervision of our expert engineering team. Our goal is always to deliver quality and technology to our country and to our valued business partners.

With the motto “No Gram Goes Unchecked”, we proudly continue our journey as a domestic manufacturer, creating added value for our country and successfully establishing our presence in international markets.

INTENDED USE AND DESCRIPTION

A checkweigher is a quality control machine that ensures weight control of products passing through the production line and generates statistical data. As products pass over the conveyor, their weights are measured, and products falling outside the lower and upper tolerance limits defined via the control screen are rejected. Measurement results are logged and used to generate statistical data (such as acceptable weight, overweight product, underweight product, average weight, standard deviation, total weight, etc.), which can be saved as USB or Excel files. The system can send email notifications based on predefined alarm values and provides data integration with SAP/ERP systems. Our objective is to increase efficiency, protect customer satisfaction and the manufacturer's brand value, and reduce weight errors to zero. The ERS Checkweigher holds a European Type Approval Certificate and can be legally verified in compliance with the Measuring Instruments Directive.



Easy-to-read 10.2" color touchscreen control panel

Statistical data generation and graphical display

Remote access, software, and service capability

USB data logging and email support

Capacity for 100 different product recipes and unlimited recipes via USB memory

Multi-language option

Robust industrial design

Easy belt replacement and simplified maintenance

Product-specific rejection system

Modular design

Hygienic design preventing water and dirt accumulation

Vibration-isolated machine body

Conveyors suitable for unpackaged food products



High accuracy and precision

High weighing speed

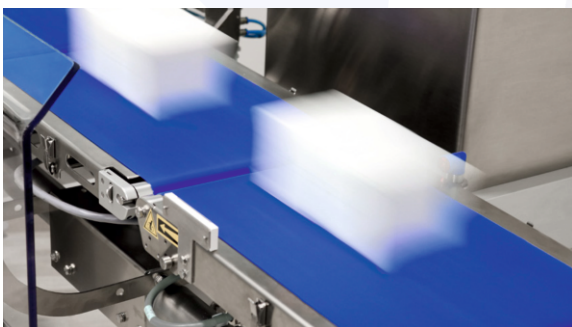
Conveyor speed and direction adjustment via the screen

Easy calibration procedure

Intelligent automatic zeroing

Modular structure suitable for bidirectional use

In-pack piece counting



Reduced labor and controlled costs

High line efficiency

Minimization of production errors

100% product weight inspection

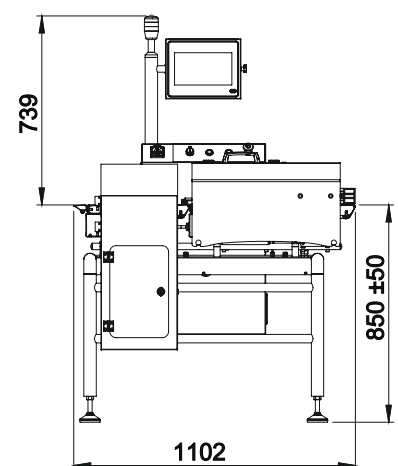
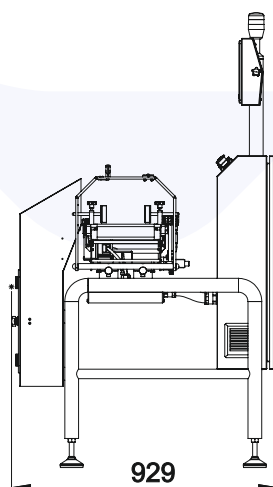
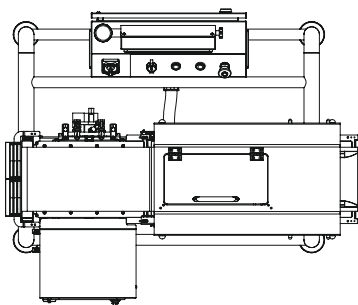


CW-ERS-02/600/0

The CW-ERS-02/600/0 model is designed for production lines requiring high speed and high precision. To ensure maximum accuracy and performance, the conveyor transitions (knife-edge transfers) and belt designs have been specially developed. With its high sensitivity and performance, the hygienic design enables flawless weighing of your products while increasing efficiency and preventing the accumulation of water and dirt. Long service life is ensured by the use of a 24 VDC brushless DC motor.



DETAILS	CW-ERS-02/600/0
Capacity (g)	20-600
Accuracy (g)	≥ 0.2
"e" value	≥ 0.2
"n" division value	3000
Belt Speed (m/min)	80
Pieces per minute	250
Power Consumption (W)	400
Current (A)	2,30
Weighing Conveyor Width (mm) I1	150-200
Weighing Conveyor Length (mm):	200-400
Supply Voltage	100-240 VAC
Frequency	50Hz/60Hz
Operating Temperature	5 °C to +40 °C
Transport Height (mm)	650-1100 mm +-50 mm
Accuracy Class	XIII(1)
Protection Class	IP54 - IP65
Communication Interfaces	Modbus, TCP, IP, Ethernet
Conveyor and Frame Structure	Stainless Steel

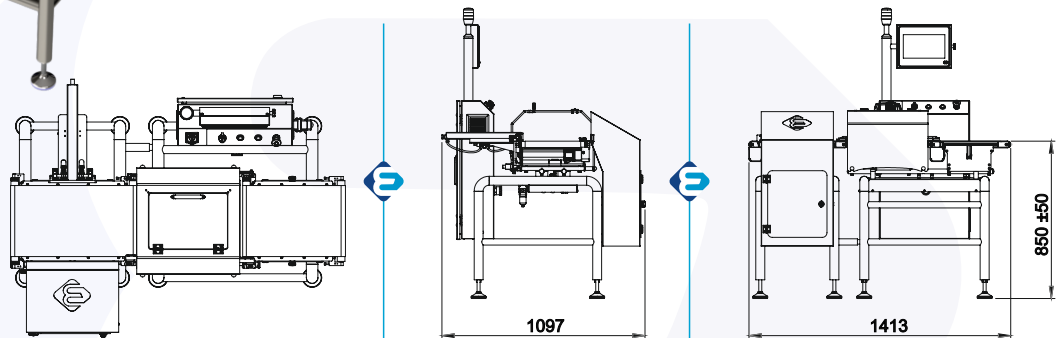


3-CW-ERS-05/1500/0

The CW-ERS-05/1500/0 model has a sensitivity of 0.5 grams and a weighing capacity of 1500 grams. The CW-ERS-10/3000/0 model has a sensitivity of 1 gram and a weighing capacity of 3000 grams. To ensure maximum accuracy and performance, belt transitions and belt designs have been specially developed. With high sensitivity and performance, it ensures flawless weighing of your products while increasing efficiency. Thanks to its hygienic design, the accumulation of water and dirt is prevented. Long service life is ensured by using a 24 VDC brushless DC motor.

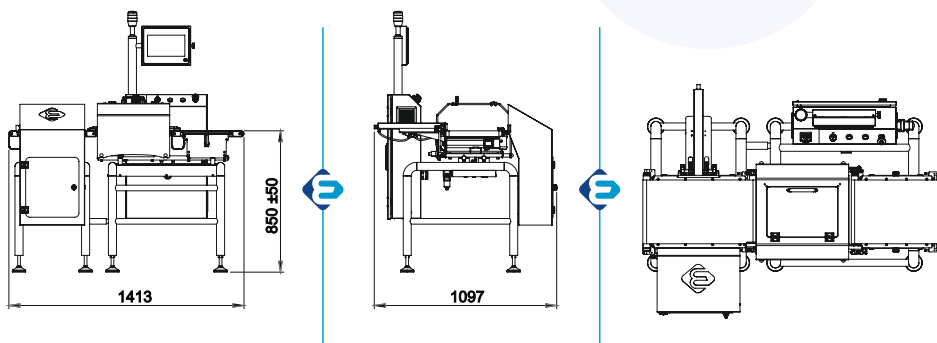


DETAILS	CW-ERS-05/1500/0	DETAILS	CW-ERS-05/1500/0
Capacity (g)	10-1500	Current (A)	2,30
Sensitivity (g)	≥ 0.5	Weighing Conveyor Width (mm) l1	200 - 300
"e" value	≥ 0.5	Weighing Conveyor Length (mm)	250 - 500
"n" division value	3000	Supply Voltage	100 - 240 VAC
Belt Speed (m/min)	120	Frequency	50Hz/60Hz
Pieces per minute	300	Operating Temperature	5 °C to +40 °C
Power Consumption (W)	400	Transfer Height (mm)	650-1100 mm +-50 mm
Accuracy Class	XIII(1)	Communication Interfaces	Modbus, TCP, IP, Ethernet
Protection Class	IP54 - IP65	Conveyor and Frame Structure	Stainless Steel



DETAILS	CW-ERS-10/3000/0	DETAILS	CW-ERS-10/3000/0
Capacity (g)	20-3000	Current (A)	2,30
Sensitivity (g)	≥ 1	Weighing Conveyor Width (mm) l1	200 - 300
"e" value	≥ 1	Weighing Conveyor Length (mm)	300 - 500
"n" division value	3000	Supply Voltage	100 - 240 VAC
Belt Speed (m/min)	60	Frequency	50Hz/60Hz
Pieces per minute	120	Operating Temperature	5 °C to +40 °C
Power Consumption (W)	400	Transfer Height (mm)	650-1100 mm +-50 mm
Accuracy Class	XIII(1)	Communication Interfaces	Modbus, TCP, IP, Ethernet
Protection Class	IP54 - IP65	Conveyor and Frame Structure	Stainless Steel

4-CW-ERS-10/3000/0

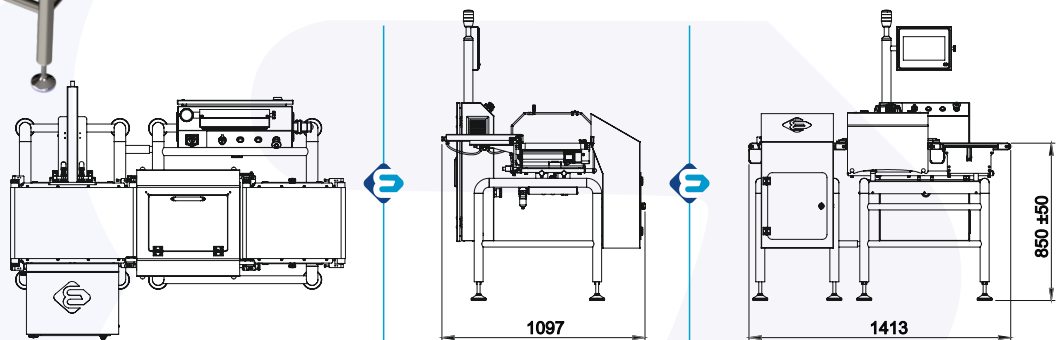


5-CW-ERS-20/6000/0

The CW-ERS-20/6000/0 model has a sensitivity of 2 grams and a weighing capacity of 6000 grams. To ensure maximum accuracy and performance, belt transitions and belt designs have been specially developed. With high sensitivity and performance, it provides flawless weighing of your products while increasing efficiency. Thanks to its hygienic design, the accumulation of water and dirt is prevented.

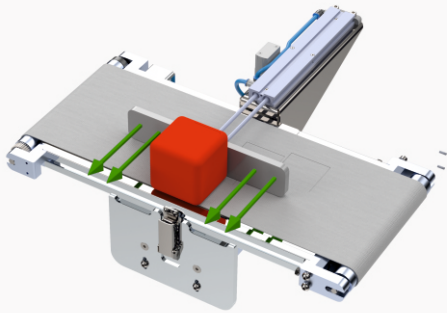


DETAILS	CW-ERS-20/6000/0	DETAILS	CW-ERS-20/6000/0
Capacity (g)	40-6000	Current (A)	2,30
Sensitivity (g)	≥ 2	Weighing Conveyor Width (mm) L1	250- 400
"e" value	≥ 2	Weighing Conveyor Length (mm)	350- 700
"n" division value	3000	Supply Voltage	100 - 240 VAC
Belt Speed (m/min)	60	Frequency	50Hz/60Hz
Pieces per minute	60	Operating Temperature	5 °C to +40 °C
Power Consumption (W)	400	Transfer Height (mm)	650-1100 mm +-50 mm
Accuracy Class	XIII(1)	Communication Interfaces	Modbus, TCP, IP, Ethernet
Protection Class	IP54 - IP65	Conveyor and Frame Structure	Stainless Steel

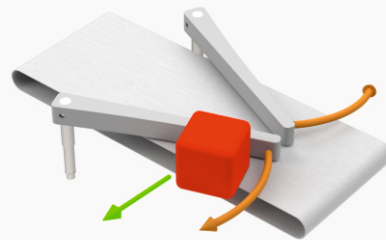


REJECTION OPTIONS

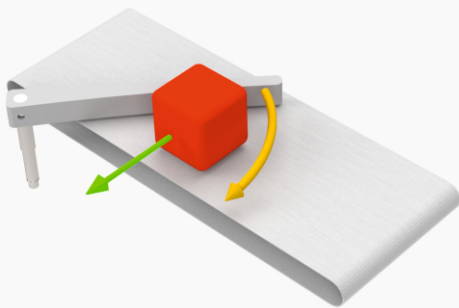
Rejection systems specially designed according to the shape, packaging characteristics, and line speed of the products ensure effective and efficient operation.



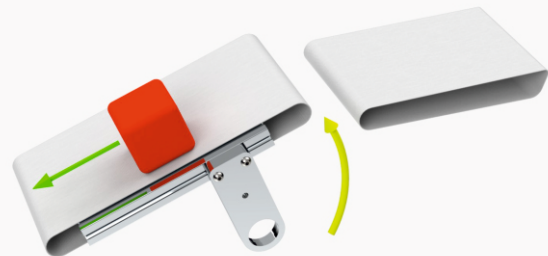
PNEUMATIC PUSHER



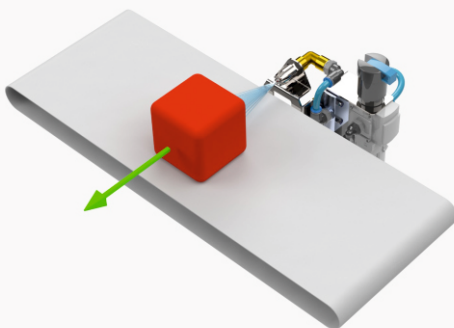
DOUBLE CLAP



SINGLE CLAP



FREE FALL

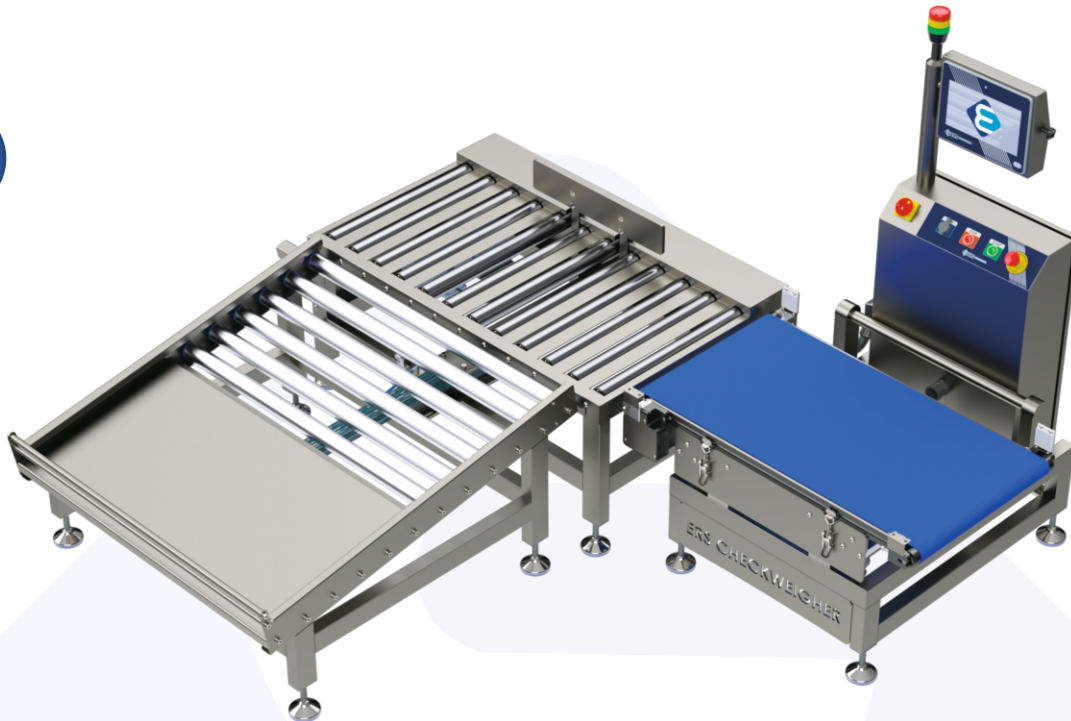


AIR BLOWING

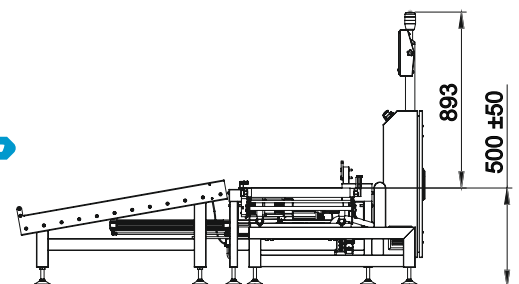
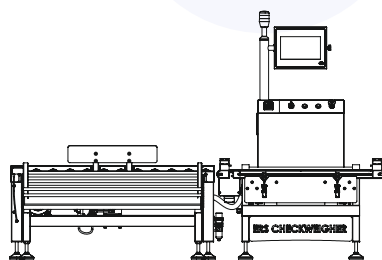
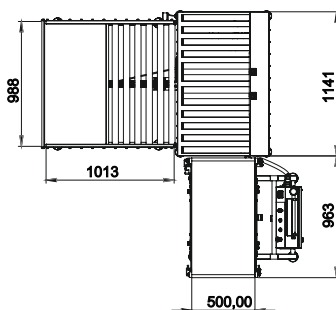
BOX CHECKWEIGHER

The CW-ERS-50/15000/0 model is a machine with 5-gram sensitivity and a 15 kg weighing capacity. It accurately and precisely weighs cartons, boxes, and other packaged products coming from production lines. Packaged products with incorrect weight are diverted to the reject bin by means of a pneumatic piston. Products with correct weight continue along the production line.

Weighing results can be reported and archived via USB or e-mail. Devices such as a labeling machine and barcode reader can be easily integrated onto the machine.

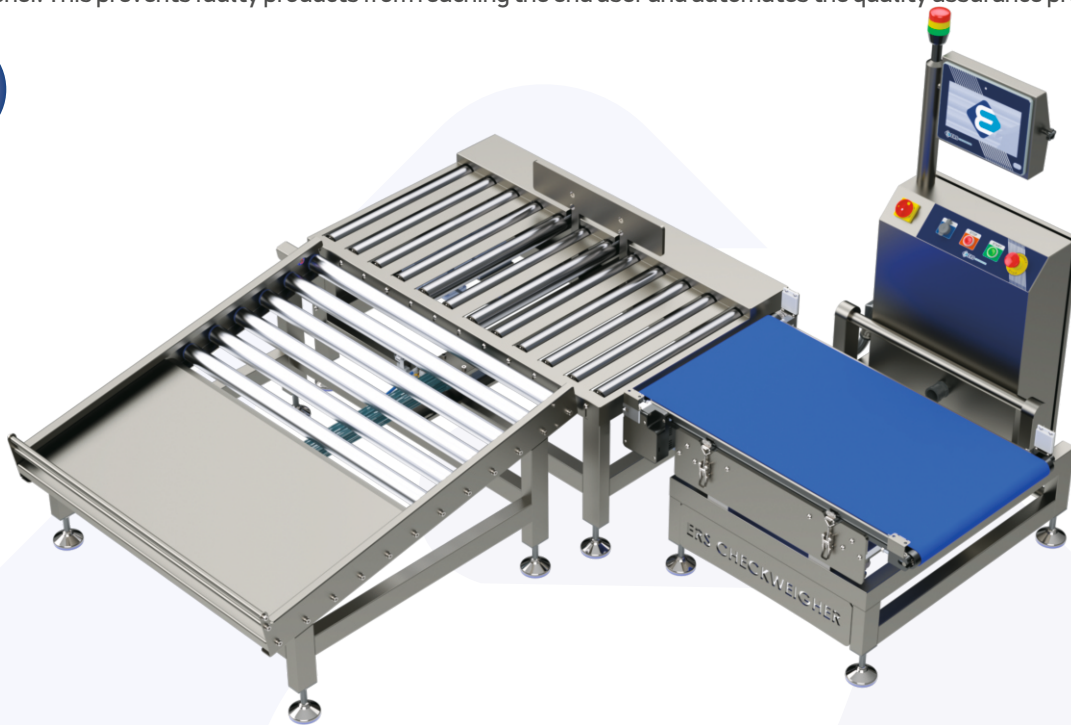


DETAILS	CW-ERS-50/15000/0	DETAILS	CW-ERS-50/15000/0
Capacity (g)	100-15000	Weighing Conveyor Width (mm) l1	400-500
Sensitivity (g)	≥5	Weighing Conveyor Length (mm)	500-750
"e" value	≥ 5	Supply Voltage	100-240 VAC
"n" division value	3000	Frequency	50Hz/60Hz
Belt Speed (m/min)	60	Operating Temperature	5 °C to +40 °C
Pieces per minute	45	Transfer Height (mm):	350-1100 mm +50 mm
Power Consumption (W)	600	Accuracy Class	XIII(1)
Current (A)	3,50	Communication Interfaces	Modbus, TCP, IP, Ethernet
Accuracy Class	XIII(1)	Conveyor Structure	Stainless Steel – Powder Coated
Protection Class	IP54 - IP65	Frame Structure	Stainless Steel – Powder Coated

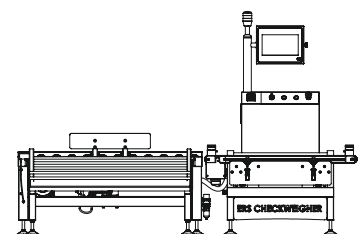
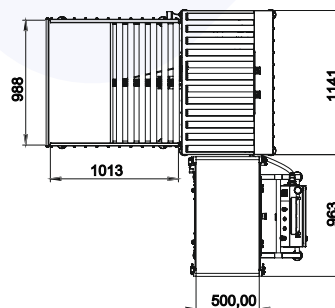
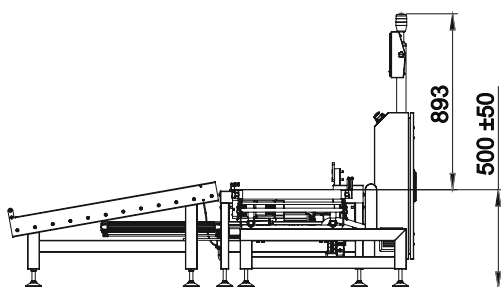


CW-ERS-100/30000/0

The CW-ERS-100/30000/0 model is an industrial checkweigher system designed specifically for high-precision weighing of cartons, boxes, and shrink-wrapped products, with a capacity of up to 30 kg. This model can analyze 40–60 products per minute and provides ± 10 gram sensitivity, ensuring high-level accuracy in weight control. It can be safely used across a wide range of applications, including food, logistics, chemical, and other industrial packaged products. The machine is designed to operate in full compatibility with ERP systems, SCADA, and production monitoring software. Devices such as labeling machines, barcode readers, camera systems, or IoT modules can be easily integrated. Through this integration, product traceability is ensured and data sharing is maximized. Products that fall outside the specified tolerance limits are safely diverted to the reject bin by means of an integrated pneumatic pusher. This prevents faulty products from reaching the end user and automates the quality assurance process.



DETAILS	CW-ERS-100/30000/0	DETAILS	CW-ERS-100/30000/0
Capacity (g)	200–30000	Current (A)	3.50
Sensitivity (g)	≥ 10	Weighing Conveyor Width (mm) L1	500 – 600
"e" value	≥ 10	Weighing Conveyor Length (mm)	550 – 750
"n" division value	3000	Supply Voltage	100 – 240 VAC
Belt Speed (m/min)	60	Frequency	50Hz/60Hz
Pieces per minute	45	Operating Temperature	5 °C to +40 °C
Power Consumption (W)	600	Transfer Height (mm)	350–1100 mm ± 50 mm
Communication Interfaces	Modbus, TCP, IP, Ethernet	Conveyor & Frame Structure	Stainless Steel – Powder Coated



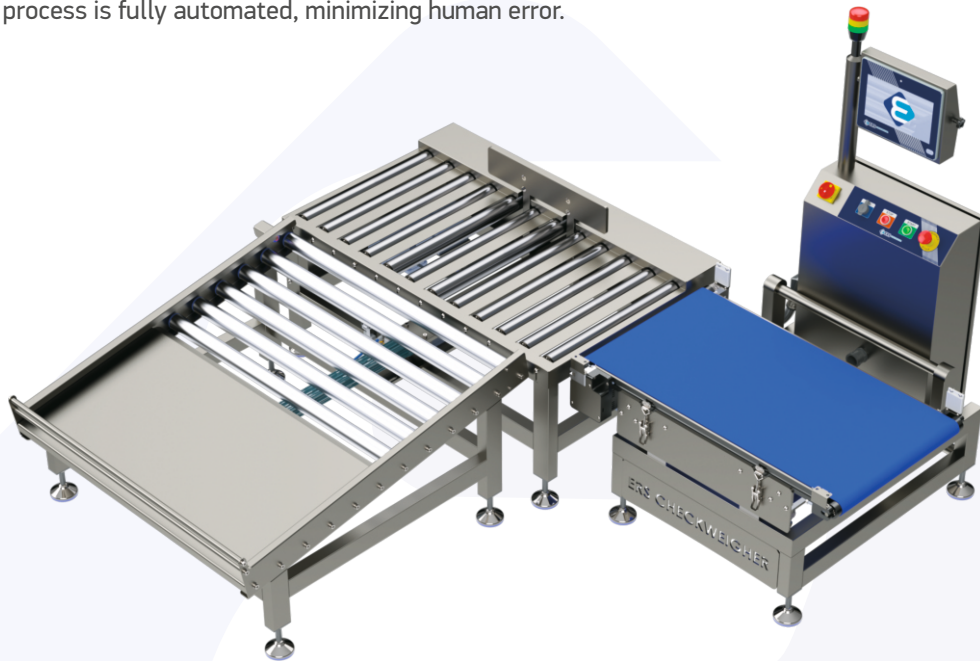
CW-ERS-200/60000/0

The CW-ERS-200/60000/0 model is a high-capacity checkweigher system developed for reliable and precise weighing of large cartons, boxes, and industrially packaged products up to 60 kg. With a sensitivity of ± 20 grams, it delivers high accuracy even for heavy products. Capable of analyzing 30–50 products per minute, this system is specially optimized for high-capacity production lines such as logistics, chemicals, pet food, legumes packaging, and frozen food applications.

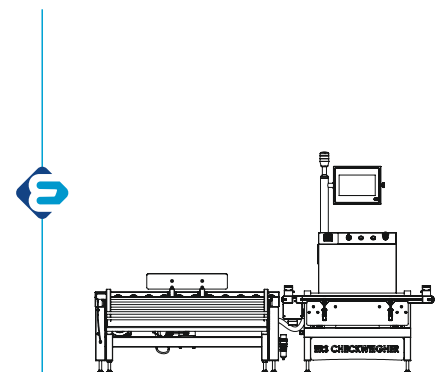
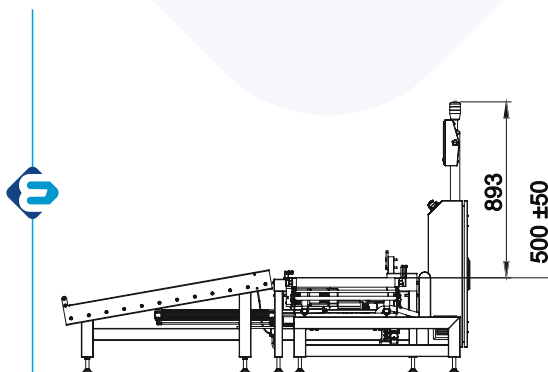
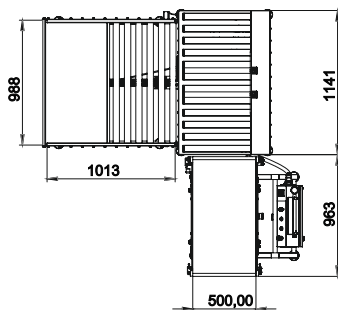
Thanks to its robust construction and wide conveyor belt, it ensures stable and balanced weighing of heavy and bulky products. The system provides seamless integration into production lines and maintains stable weighing results even at high speeds.

The CW-ERS-200/60000/0 can be easily integrated with ERP systems, SCADA, and other production monitoring systems, supporting digitalization processes within the facility. It also allows easy connection to labeling units, barcode readers, camera systems, and IoT-based data transmitters. This enables end-to-end traceability and minimizes data loss.

Products that fall outside the specified tolerance limits are immediately diverted to the reject bin via an integrated pneumatic pusher. The entire process is fully automated, minimizing human error.



DETAILS	CW-ERS-200/60000/0	DETAILS	CW-ERS-200/60000/0
Capacity (g)	400 - 60000	Current (A):	3,50
Sensitivity (g)	≥ 20	Weighing Conveyor Width (mm) L1	500 - 600
"e" value	≥ 20	Weighing Conveyor Length (mm)	550 - 850
"n" division value	3000	Supply Voltage	100 - 240 VAC
Belt Speed (m/min)	60	Frequency	50Hz/60Hz
Pieces per minute	45	Operating Temperature	5 °C to +40 °C
Power Consumption (W):	600	Transfer Height (mm)	350-1100 mm ± 50 mm
Communication Interfaces	Modbus, TCP, IP, Ethernet	Conveyor & Frame Structure	Stainless Steel



TECHNICAL DIAGRAM

STANDARD MODELS

DETAILS	CW-ERS-02/600/0	CW-ERS-05/1500/0	CW-ERS-10/3000/0	CW-ERS-20/6000/0	CW-ERS-50/15000/0	CW-ERS-100/30000/0	CW-ERS-200/60000/0
Capacity (g)	20-600	10-1500	20-3000	40-6000	100-15000	200-30000	400-60000
Sensitivity (g)	≥0.2	≥0.5	≥1	≥2	≥5	≥10	≥20
"e" value	≥0.2	≥0.5	≥1	≥2	≥5	≥10	≥20
"n" division value	3000	3000	3000	3000	3000	3000	3000
Belt Speed (m/min)	80	120	60	60	60	60	60
Pieces per minute	250	300	120	60	45	45	45
Power Consumption (W)	400	400	400	400	600	600	600
Current (A)	2,30	2,30	2,30	2,30	3,50	3,50	3,50
Weighing Conveyor Width (mm)	150-200	200-300	200-300	250-400	400-500	500-600	500-600
Weighing Conveyor Length (mm)	200-400	250-500	300-500	350-700	500-750	550-850	550-850
Supply Voltage	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Operating Temperature	5 °C to +40 °C	5 °C to +40 °C	5 °C to +40 °C	5 °C to +40 °C	5 °C to +40 °C	5 °C to +40 °C	5 °C to +40 °C
Transfer Height (mm)	650-1100 mm +50 mm	650-1100 mm +50 mm	650-1100 mm +50 mm	650-1100 mm +50 mm	350-1100 mm +50 mm	350-1100 mm +50 mm	350-1100 mm +50 mm
Accuracy Class	XIII(1)	XIII(1)	XIII(1)	XIII(1)	XIII(1)	XIII(1)	XIII(1)



SOFTWARE AND HARDWARE FEATURES

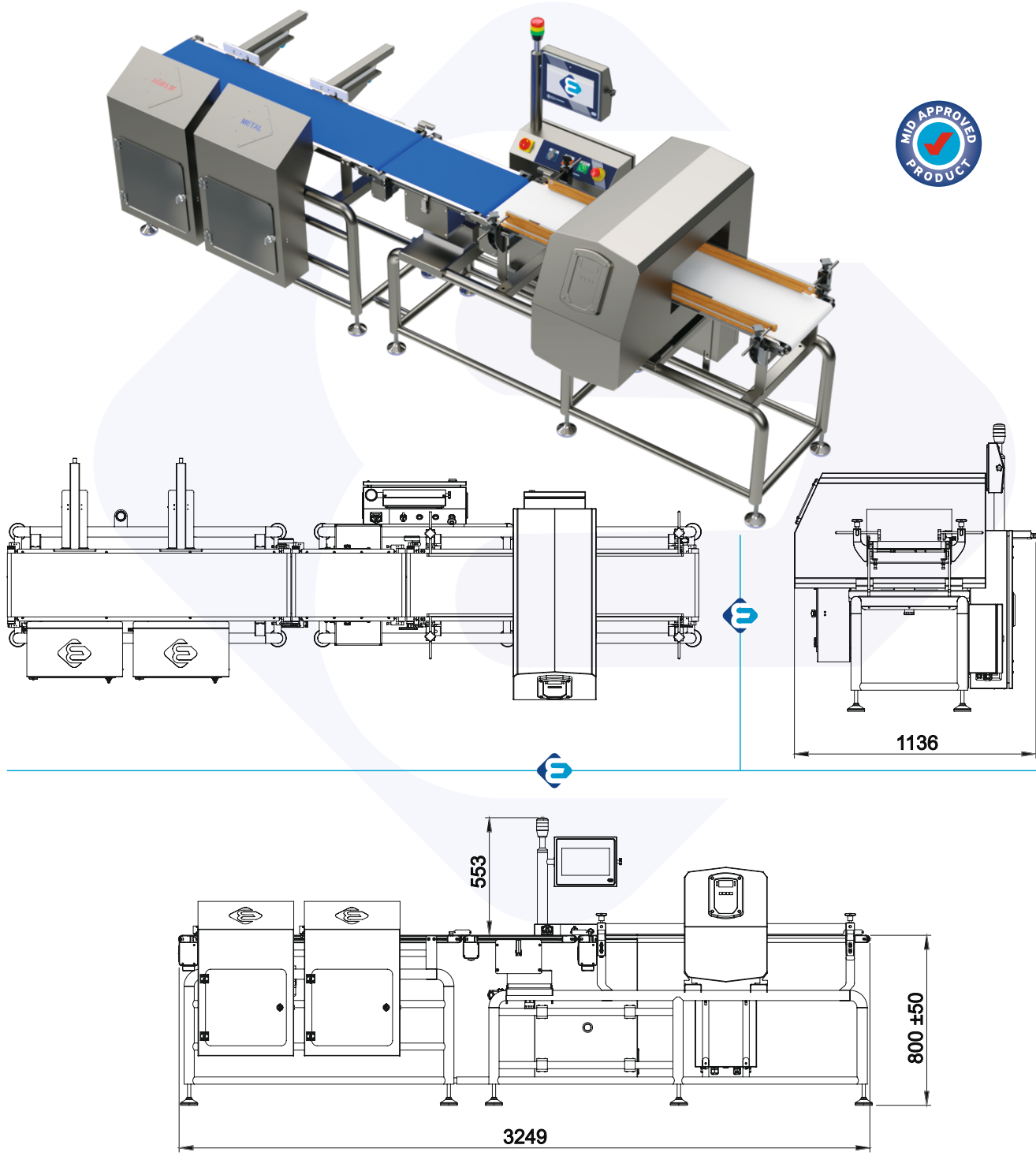


LAN connection



COMBINATION SYSTEM (CHECKWEIGHER + METAL DETECTOR)

The combined inspection systems developed by ERS are integrated solutions that simultaneously and precisely inspect both metal contamination and weight compliance of products coming from production lines within a single system. Thanks to this dual-stage inspection mechanism, food safety, product quality, and regulatory compliance processes are ensured with one device. The machine is equipped with an advanced metal detector unit that detects metal particles inside the product (including ferromagnetic and non-ferrous metals), while the integrated dynamic weighing system (checkweigher) instantly measures the weight of each product. Both inspections are carried out without interrupting product flow along the production line. The collected data can be easily exported via USB storage or automatically sent to predefined e-mail addresses through the system. At the same time, the system enables high-level data integration by communicating with enterprise software such as SAP and ERP systems. It is widely used in industries that require high precision and traceability, including food production, packaging lines, chemical products, pet food, dairy products, canned goods, and frozen food processing lines.



METAL DETECTOR



Design:
High-quality stainless steel.
Steel thickness: 3 mm.
Durable industrial design.

Protection Class:
IP68 / IP69K protection level for the metal detector search head.

Power Supply:
230V / 1PH / 50Hz,
or according to customer-specified requirements.

Operational Frequency:
30 kHz – 300 kHz
Superior sensitivity for both conductive and non-conductive products.

Software:
Intelligent software for optimum inspection.

Display:
7" easy-to-read color touchscreen.
User-friendly menu interface.

Operation:
User-friendly operator control concept with 4-level password-protected access to all settings via functional buttons.
Easy navigation and intuitive touchscreen control.

Memory:
Memory capacity for up to 1,000 different products.

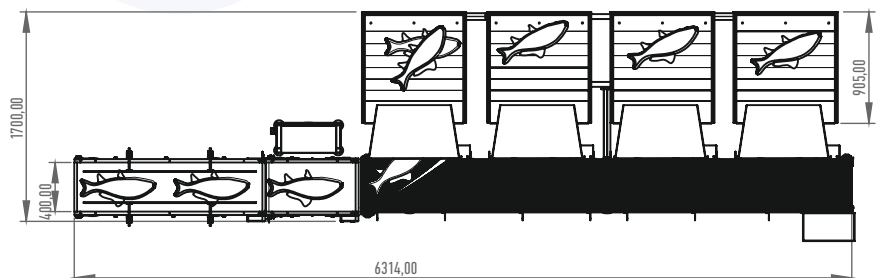
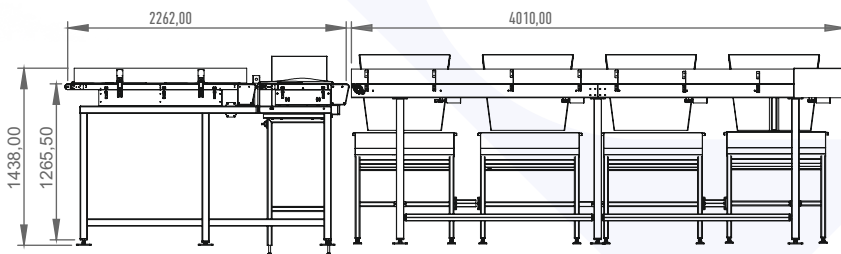
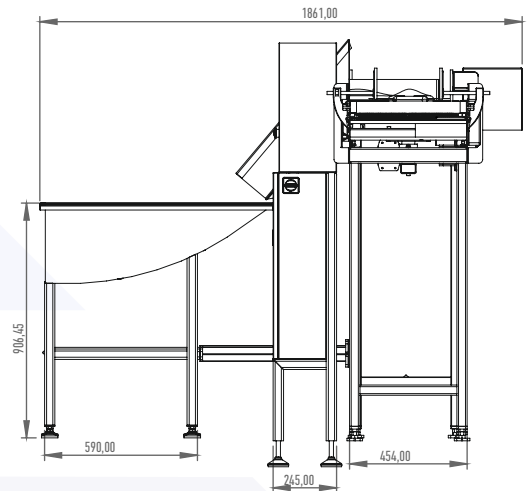
Reject Time:
Adjustable reject time: 0.05 – 50 seconds.
Log records: Date, time, operator log, and recording of all events detected by the system.

FISH SORTER MACHINES

Fish are weighed on the weighing conveyor and then directed to output lanes adjusted according to their weight. The speed varies depending on the length of the fish and is designed and manufactured to operate within a range of 60–110 pieces per minute.

FEATURES:

- AISI 304–316 high-quality stainless steel construction
- Dynamic design
- Easy to clean
- High efficiency
- Low production costs
- IP67 touchscreen control
- Remote access system
- Ability to generate various reports



SECTORS



LEGUMES



OILS



DETERGENTS



NUTS



DRY FRUITS



CHOCOLATE AND CAKES



RED AND WHITE MEAT



FISH



PHARMACEUTICALS AND CHEMICALS



PLASTICS

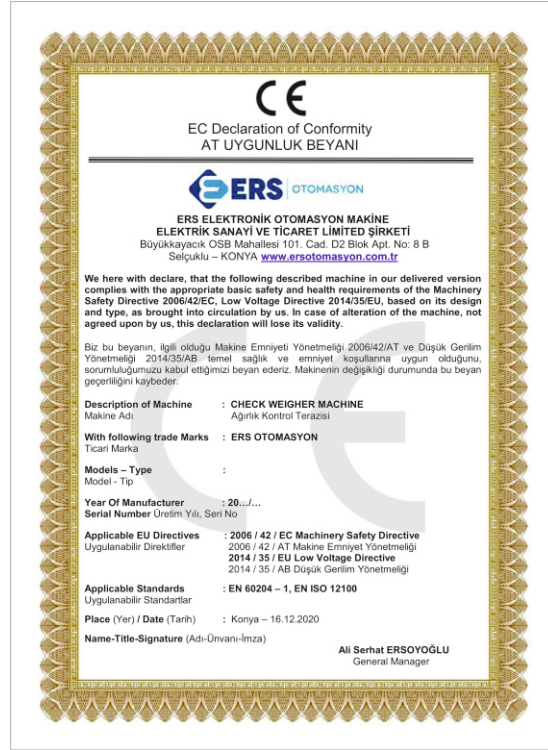


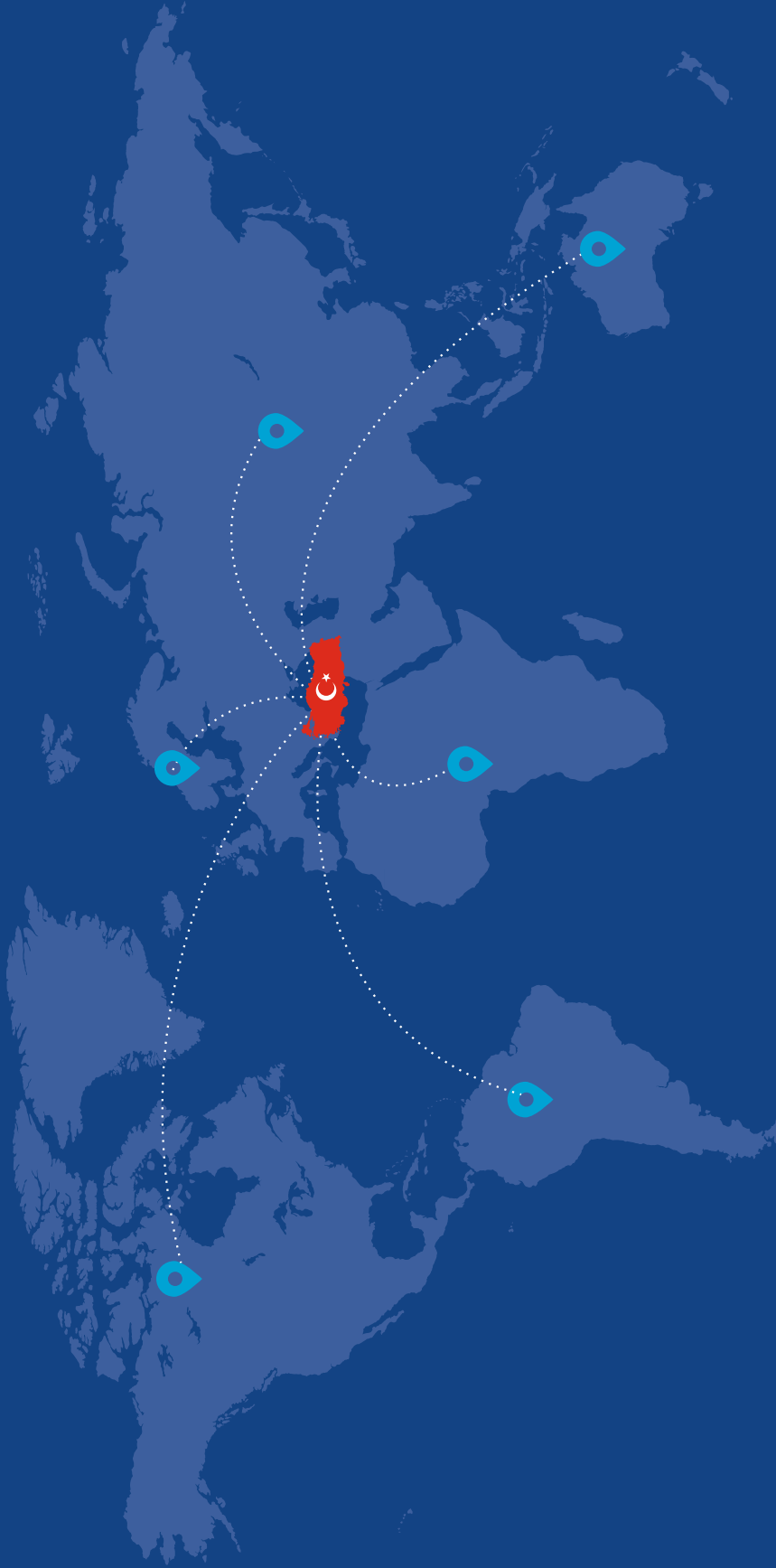
COSMETICS



MILK AND DAIRY PRODUCTS

OUR DOCUMENTS





**ERS ELEKTRONİK OTOMASYON MAKİNA
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