

Solutions for  
weighing, selecting, labelling



Through the family HSC350, Cicrespi introduces a complete range of approved systems for checkweigh and labelling of the products.

The series HSC350 consists of a complete line of solutions for the weighing and labelling of the products, in a fast and accurate way. The range HSC350 includes models working at different speeds, up to 350 pieces per minute.

Equipment of the series HSC350 are very versatile and can be used in different industries as food, pharmaceutical and manufacturing.

**Food:** containers in plastic, glass, cartons, flasks, tinfoil cans.

**Pharmaceutical and para-pharmaceutical:** cases, flasks.

**Chemical/detergents:** flasks, sprays, vials and special formats in different materials: plastic, glass and carton.

**Manufacturing,** carton, ceramics and various.

Products range includes:

- Checkweighers
- Automatic price labellers
- Combined systems with Metal Detector
- Complete selection lines
- Ejection systems
- Static weighing systems



### **Performances without compromises**

HSC350 has gained the Class III OIML R51 approval, in the several versions up to 270 pieces/minute, as class X(1) checkweigher and class Y(a) price/labeller.

### **Construction features, flexibility**

An extended range ensures the right realization for an optimal answer to the production requirements. Personalized solutions grant the right integration to production lines already in operation, as well as interconnection abilities and communication with other automatic equipment, to check filling or management of pre-packed items.

A wide range of versions includes:

- 1 to 5 conveyor belts
- Two electronics and touch screen as optional
- Integration with IQ3 Metal Detector
- Managing up to two ejectors
- Managing up to two labellers
- Software feedback
- Plates from 5g to 30Kg
- Integration with 2" and 4" labellers with top, side and bottom application
- Integration with vision systems

### **Simplicity**

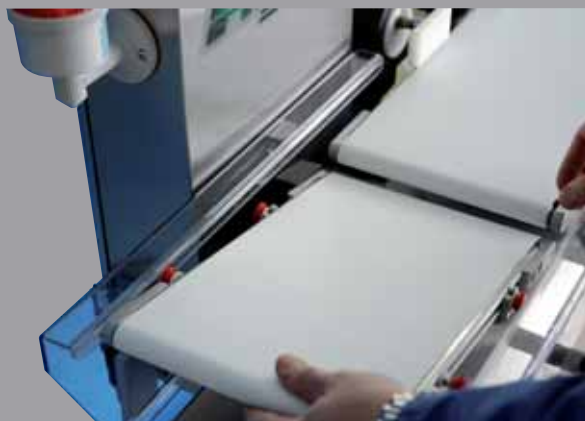
Construction through modular technique using exclusively stainless materials, top performances and quality components, high accessibility to the different parts, ensures reliability and makes maintenance easy.

### **Easiness**

Using HSC350 systems is easy and intuitive. Thanks to its weighing technology, the settings required to start the system are reduced to the minimum.

### **Solutions**

They are the final result of our work. CICRESPI through ITS and HSC350 technologies can study, suggest and accomplish always the best technological solution for each customer.



# Checkweighers

## Series C

The ideal solution to integrate checkweighing in a really reduced space.

## Series B

Generally used to weigh cartons, bags and net sacks.

## Series H

To weigh from 15 to 30 Kg, with conveyors wide up to 500 mm and suitable to check cartons or boxes.



Series H



Series C



Series B

Technical Features	Series C	Series B	Series H
Plate	1500g, 3000g, 6000g	6000g	1500g, 30000g
Checking	e = 1g/2g	e = 2g	e = 5g/10g
Products cadence	up to 150	up to 100	up to 50
Ejection device	pneumatic	pneumatic	pneumatic
Conveyor width	100/150/200/240	200/300	400/500
Compressed air	6bar	6bar	6bar
Electric connections	L1, N, PE, 230 V	L1, N, PE, 230 V	L1, N, PE, 230 V
Power connection	350 VA	350 VA	350 VA
Working temperature	0°C – 40°C	0°C – 40°C	0°C – 40°C

## Series E

System with reduced performances for low production lines, where products run stable on the weighing plane.

## Series S

High precision, compact system typically used in the pharmaceutical industry.



Series E



Series S

Technical Features	Series E	Series S
Plate	3000g, 6000g, 15000g	300g, 600g, 1500g
Checking	e = 1g/2g/5g	e = 0.1g/0.2g/0.5g
Products cadence	up to 60	up to 300
Ejection device	clean contact	air blow
Conveyor width	300/400	100/150/200
Compressed air		6bar
Electric connections	L1, N, PE, 230 V	L1, N, PE, 230 V
Power connection	350 VA	350 VA
Working temperature	0°C – 40°C	0°C – 40°C

## Ejectors

A wide range of ejectors is available: air blast, lateral pushers, rodless from top with roller unit, rodless from bottom with roller unit, orthogonal from top, blade deviators. According to customers needs the items are completed with stainless steel slides, idle roller tracks and accumulators



# Automatic price labellers

The range of automatic price labellers can be equipped with 2" or 4" printers with label application from top, side or bottom with air blow or pneumatic piston.



Series KS



Series KW



KW with label application from bottom



KW stainless with side application

Technical Features	Series KS	Series KW
Plate	3000g, 6000g	15000g, 30000g
Checking	e = 1g/2g	e = 5g/10g
Products cadence	up to 90	up to 45
Ejection device	pneumatic	pneumatic
Conveyor width	200/300	400/500
Compressed air	6bar	6bar
Electric connections	L1, N, PE, 230 V	L1, N, PE, 230 V
Power connection	350 VA	350 VA
Working temperature	0°C – 40°C	0°C – 40°C

# Combined systems with Metal Detector

Any HSC350 checkweigher or price labeller can be integrated with an IQ3 Metal Detector head with variable frequency, a necessary feature when legislation requires to check the presence of metallic contaminants within the pre-packed product.

The inspection head is placed on the incoming conveyor and it is in the same width as the other conveyors.

Standard conveyors for Metal Detectors are in two lengths:

- L= 950mm
- L=1150mm

Other lengths are available upon request.

The ejection system is completed with an under key accumulator



Checkweigher with metal detector



# Multi-channel sorter

Through the HSC350 multi-channel sorter it is possible to re-introduce within the checking line the ejected products, and to sort them in overweight and underweight items. Hence they can be revised, manually or automatically, and re-introduced to checkweighing.

## Save

product within the package by avoiding overdosage, so that an immediate gain is achieved

## Respect

legislation on force on the pre-packed product, so that the right quantity to consumers is guaranteed

## Innovate

the tools to manage production by integrating the traceability of the product





## Invest

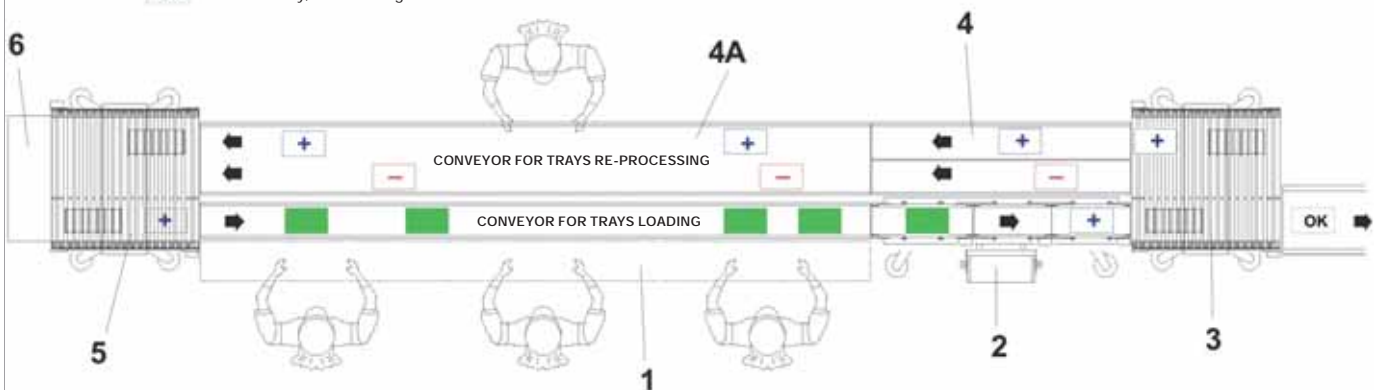
in the quality of the production process to ensure the best opportunities to your business

## Simplify

checking operations, by replacing manual checks with an automated weighing and hence saving manual work



-  Processed, non checked tray
-  Checked tray, overweight. To be re-processed.
-  Checked tray, underweight. To be re-processed.
-  Checked tray, correct weight.





# High speed systems

Often, within the food industry, products should be weighed faster than 350 pieces per minute.

Cicrespi, thanks to its experience can suggest HSC350-High Speed solutions for productions up to 650 pieces per minute.

These solutions include, according to the product to be weighed, the use of special systems such as:

- Skid plate system

Weighing on tempered and ground slide, a typical solution for tinfoil cans up to 1 Kg.

- Chains system

For weighing without vibrations or problems of stability of products; a typical solution for cases, glass bottles and jars, containers in vertical expansion.

Ejectors to prevent overturning are available.



## Software STAT350

Each HSC350 product can be completed with the statistical software Stat350.

The integration with Stat350 allows product traceability through lot management and advanced statistics.

Program Stat350 offers the following features:

- Management of products record, with definition of parameters of the package to carry out.
- Real time display of production cadence, unloaded weight and cups taking part in the making of the package, with histogram of use of the cups.
- Real time display of the statistics of the lot under production.
- Display of the reports of the produced lots, on daily base.
- Master-slave functioning up to 32 units controlled by an only PC.
- Multiple functions: free notes, HACCP traceability, multi-tasking and advanced graphical management.
- Calculation of average, minimum and maximum weight, and rounded up and down ejected weight.
- Data protection through password.



# Accessories:

A range of accessories to complete the range of the HSC350 systems is available

- Accusort scanners for barcode reading.
- Cicrespi vision systems to check label, barcode or different inspections.
- Ink-jet coding systems.
- Connecting conveyors.
- Rotating tables of accumulation



# Consumables

Cicrespi can supply consumables for price labelling systems.

Die-cut labels, according to the requested application and products stocking in:

- White Paper
- Eco thermal paper
- Protected Top thermal paper
- Pre-printed labels

Thermal transfer ribbons

A complete range of thermal transfer ribbons for all applications: wax, wax-resin and resin based.



# Assisted Sale

"CICRESPI Assisted Sale" satisfies three main requirements:

1. to be close to the Customer with a number of operational units distributed on the territory;
2. to reassure the Customer on his commercial choice, by reducing any margin of error, always possible in any purchase or production, with a preventative advisory and project action;
3. to keep functioning, quality and reliability of the products unaltered during use and for all their life cycle.

# Technical service

CICRESPI provides advices and help for problems solving through its skilled technical staff, and ensures its services with a decentralized technical organization.

Technical Service

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