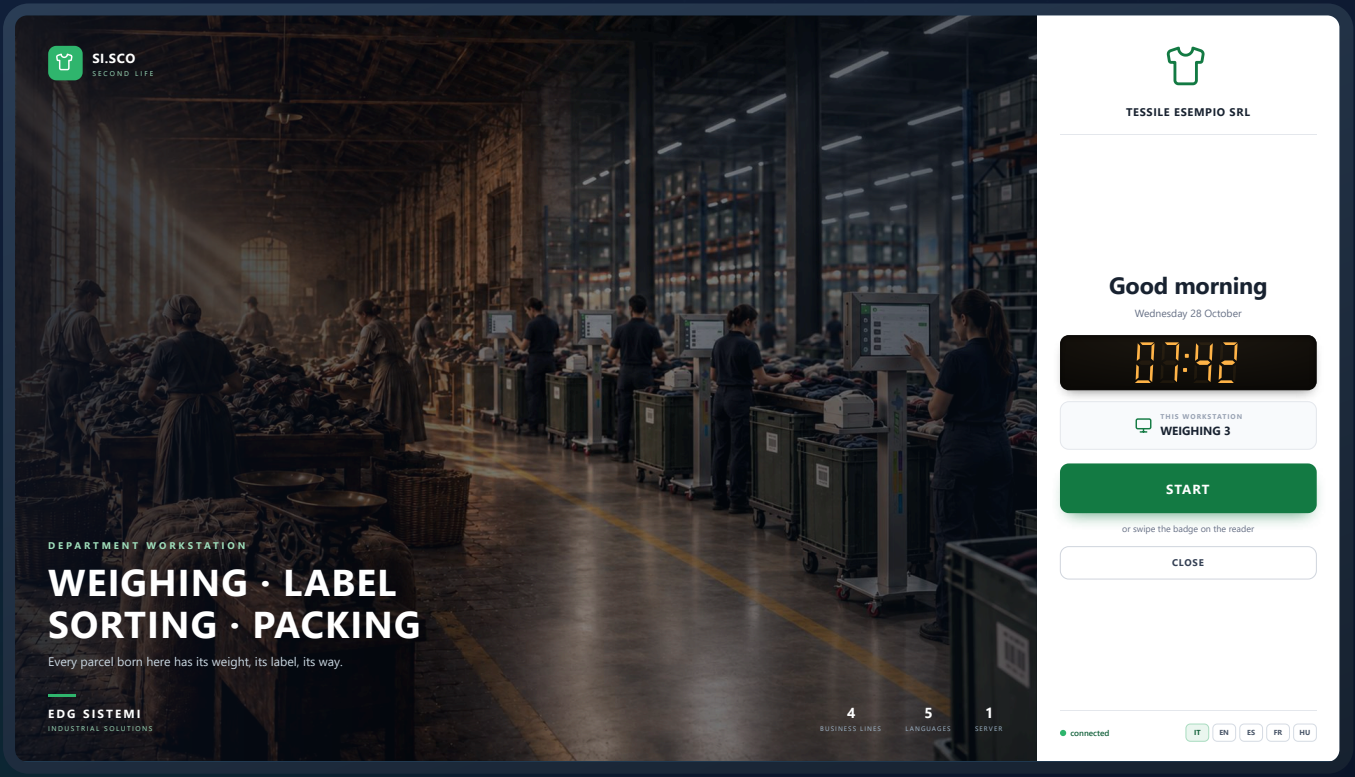
EDG SISTEMI · APPENDIX · THE WORKSTATION

And in production, how does the work get done?

With one finger and a badge.

The production workstation: **touch screen, scale, label**.

In production there is no need for keyboard or mouse. The operator shows the badge and is in; the parcel goes on the scale, the weight arrives by itself and the label comes out of the department printer. Every weighing enters the management system the moment it is made: in the office, production can be seen growing while it happens, parcel by parcel.



1
badge to log in: no names to look for, no passwords to remember

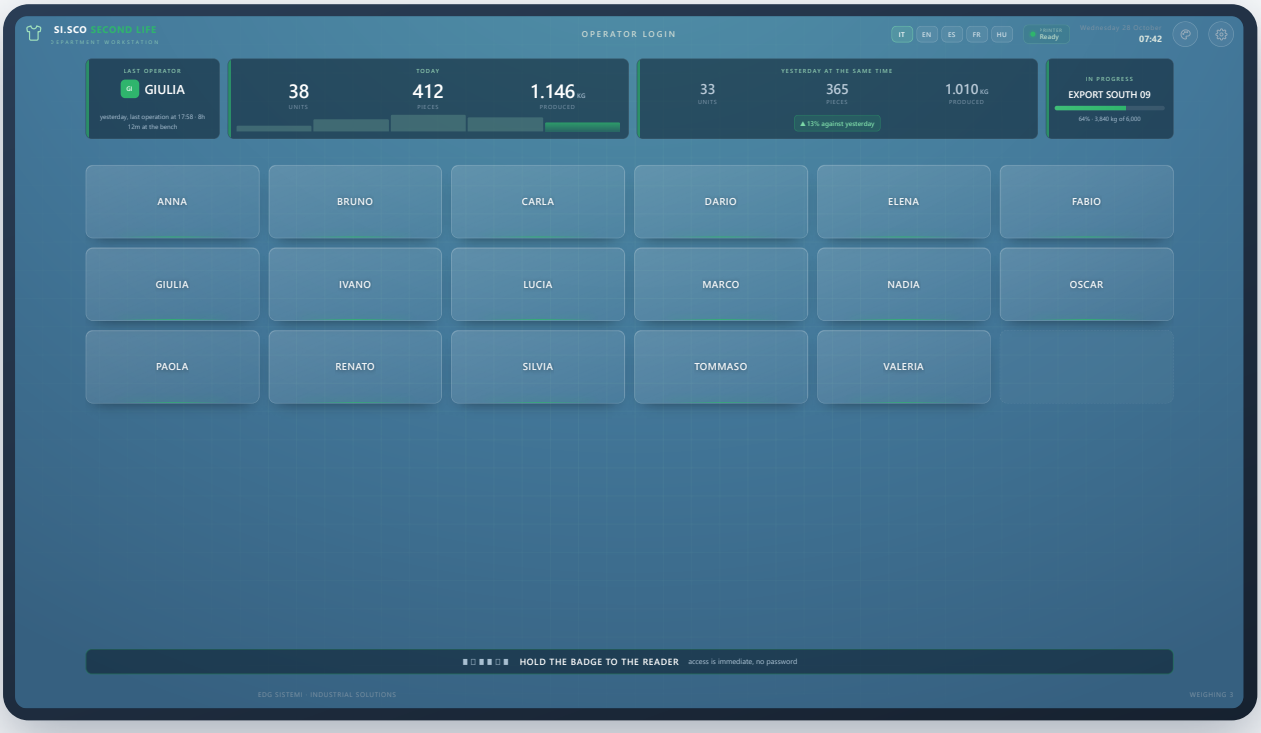
4
ways of working on the same screen: wholesale, retail warehouse, retail and sorting

2
colour themes, chosen by each workstation according to the light in the department

5
languages, the same dictionaries as the program: the language belongs to the operator

Logging in **with the badge**

The workstation opens with the names of the people working in that department, one per tile. With the badge reader there is no need even to touch them: the badge is held near the reader and the operator is in straight away, without a password. Above the names, the workstation's day.



THE WORKSTATION'S DAY Who worked last, today's parcels, items and kilos, the pace compared with yesterday at the same time, and how much is left on the list in progress. In the header, the indicator shows whether the label printer is ready.

THE BADGE

Log in without a password

Keyboard, serial or smart card badge reader. Without a badge, the operator taps their name and types the password. Every parcel and label then carries the operator's name.

Badge or name

Every parcel with its operator

THE LIGHT IN THE DEPARTMENT

Two themes, one per workstation

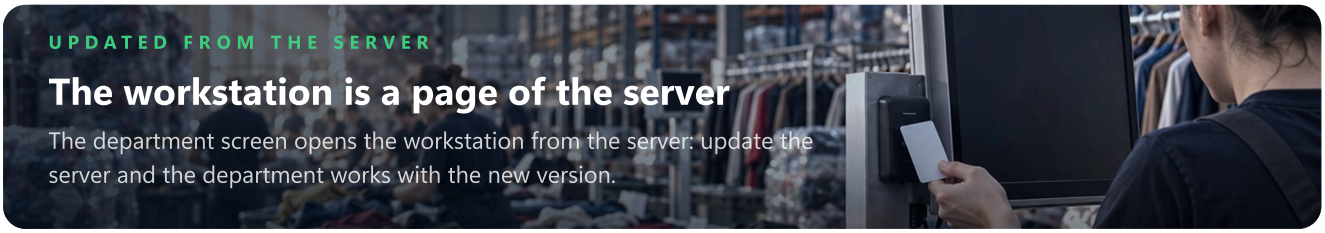
From the palette in the header: dark for dim departments, light where the screen gets the sun. It stays after a restart.



Dark

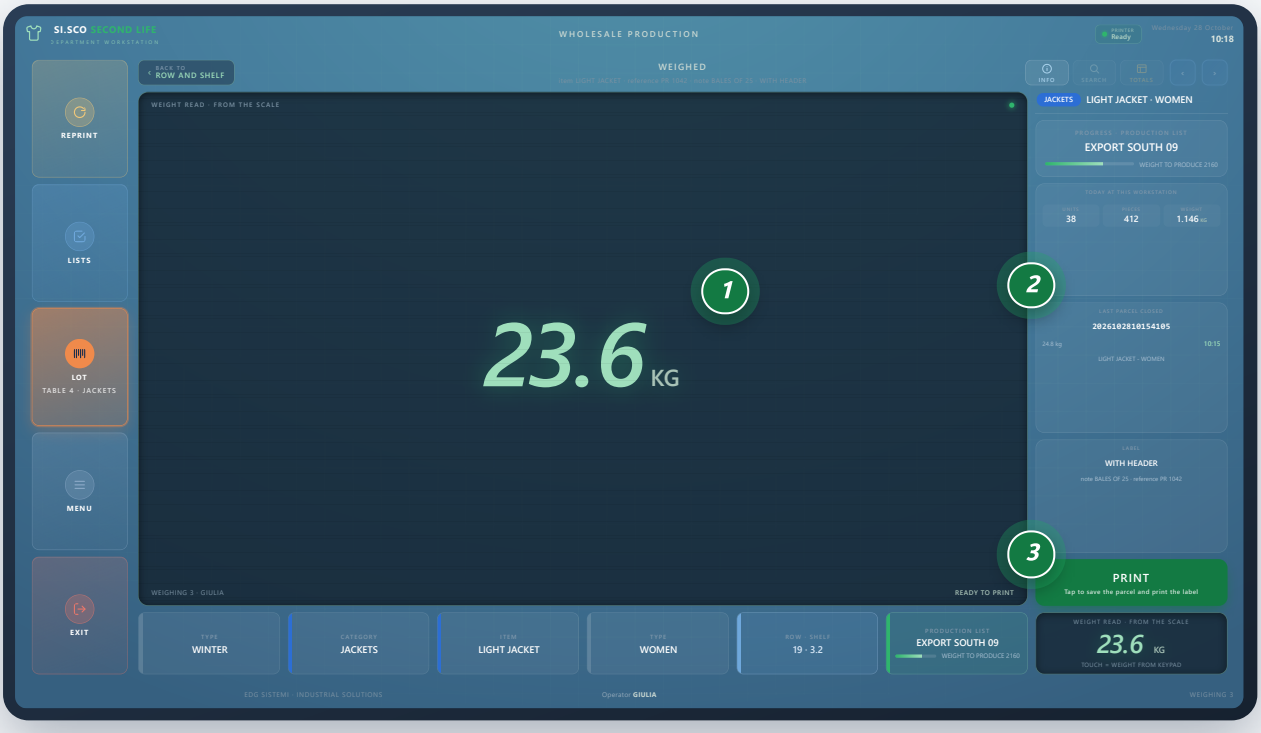


Light



Weighing **and the label**

The operator picks from tiles what is being produced: kind, category, item, type, the row and rack where it will go, the production list. The weight comes by itself from the scale; with PRINT the parcel enters the warehouse and the label comes out of the department printer.

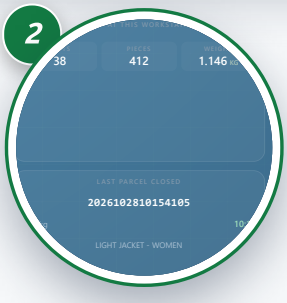




THE WEIGHT

It comes from the scale

The scale connects over the network or to the serial port of the department PC. The display shows whether the weight is stable; without a scale the weight is typed on the keypad.



THE DAY

Today and the last parcel

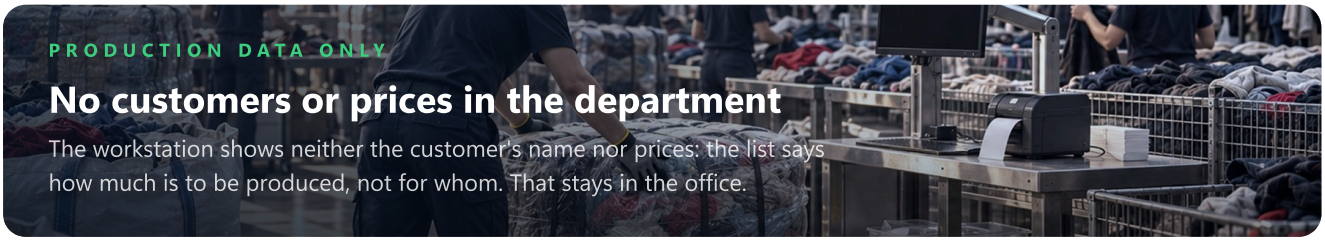
Parcels, garments and kilos of the workstation since the start of the day, and the last parcel closed with weight and time: a wrong weighing shows at once.



THE PARCEL

PRINT records the parcel

It writes the parcel into the warehouse with operator, time, position and list, and sends the label. If the weight or the position is missing, the key says what is missing.



PRODUCTION DATA ONLY

No customers or prices in the department

The workstation shows neither the customer's name nor prices: the list says how much is to be produced, not for whom. That stays in the office.

Producing **by list**

When the goods are already ordered, the operator works on the production list. On the left are the workstation's active lists, with the delivery date and the percentage done. Once a list is chosen, its items appear in the centre with how much is ordered, how much is already done and how much is left.

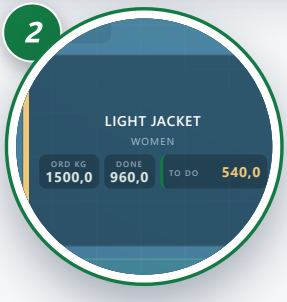




THE LISTS

The workstation's lists

The workstation's active lists, with delivery, packaging and percentage done. A close delivery is shown in colour.



THE LINE

The parcel on the right line

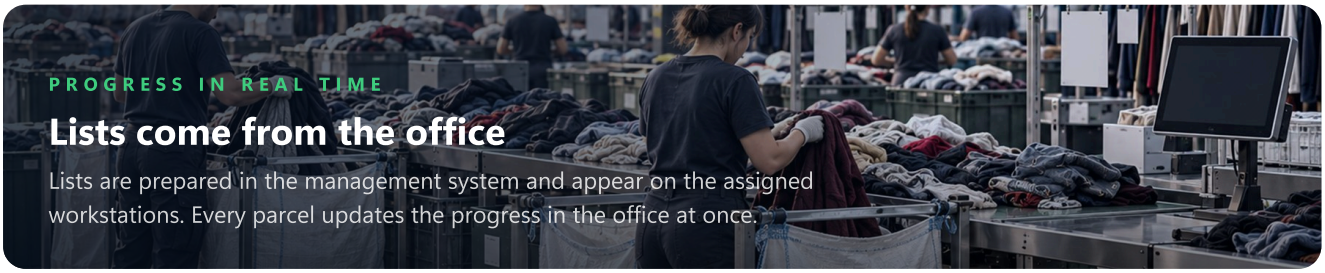
Tap the item, weigh and print: the parcel counts on the line. Beyond the ordered quantity the workstation asks before printing.



INFO AND TOTALS

The whole list at a glance

INFO: what is already in stock for the list's items. TOTALS: ordered, produced, to do and delivery, line by line.



PROGRESS IN REAL TIME

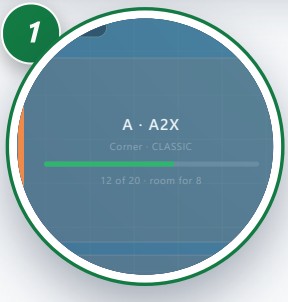
Lists come from the office

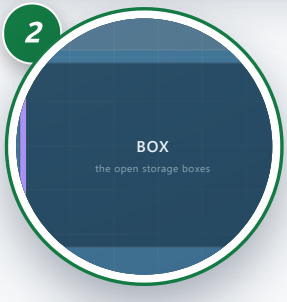
Lists are prepared in the management system and appear on the assigned workstations. Every parcel updates the progress in the office at once.

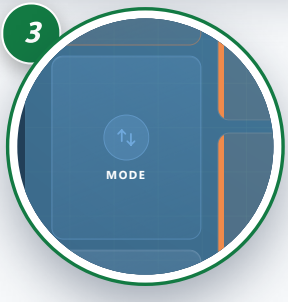
Garments by the piece **and where they go**

In the retail warehouse the workstation counts garments instead of weighing them. After category, item and type, the operator chooses where they go: a corner position, a mobile rail or a storage box. Each position shows how many garments it holds and how many are missing to fill it.









THE POSITIONS

Corners first

Each position shows how many garments it holds and how many are missing. First the corners below stock level, then the mobile rails, finally the boxes.

THE BOXES

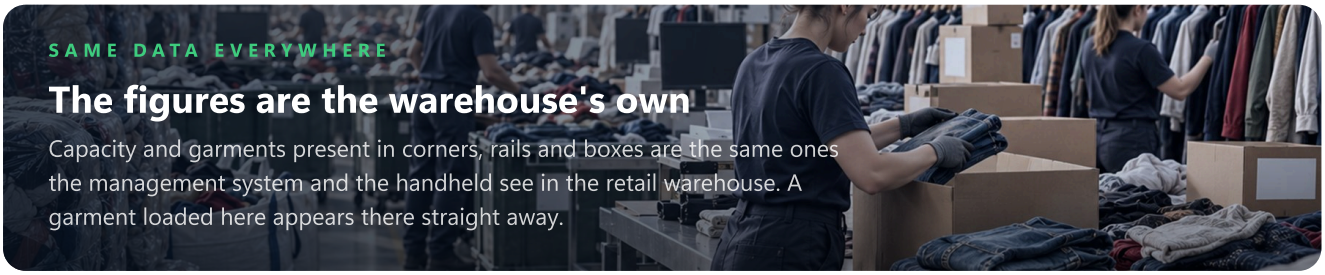
Box: opening and weight

The box opens with a proposed name, row and rack. When it is full the scale takes its weight and the label comes out of the printer.

WAYS OF WORKING

One key, five modes

Corner loading, production by weight, retail lists, corner boxes and retail boxes: each mode shows only the choices it needs.



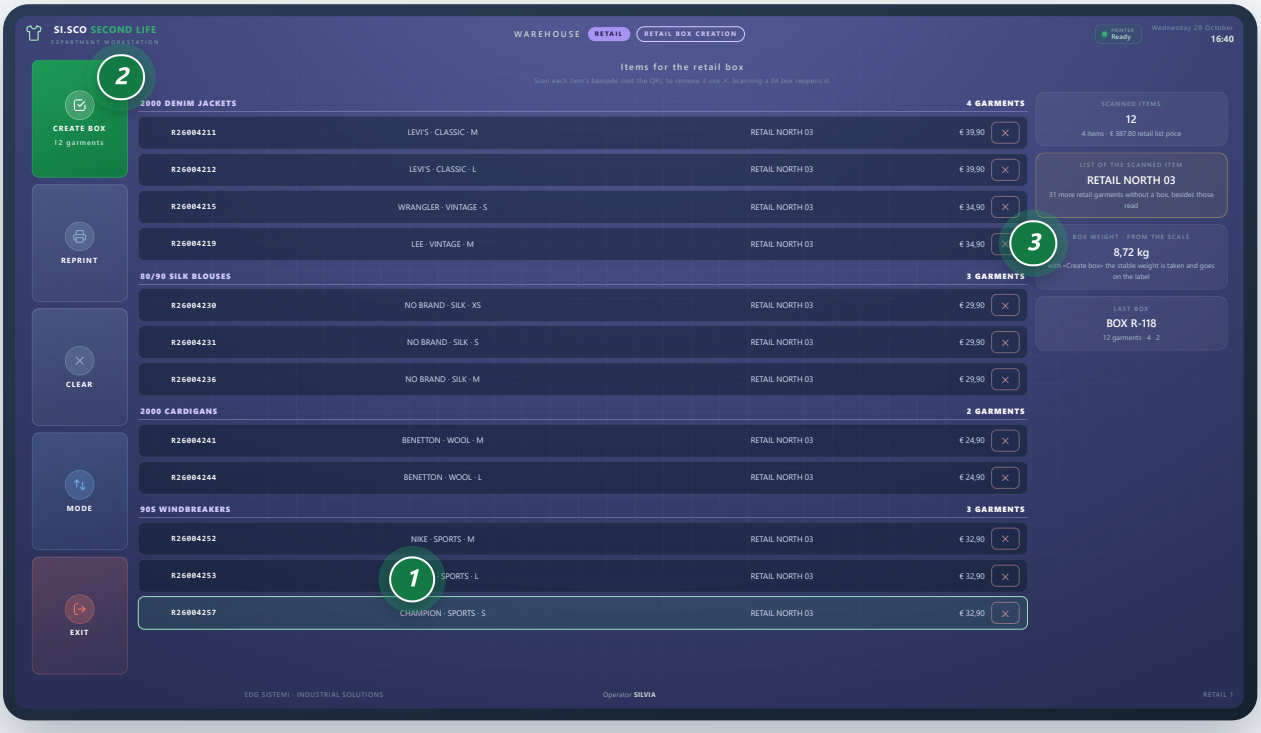
SAME DATA EVERYWHERE

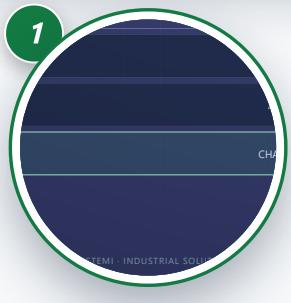
The figures are the warehouse's own

Capacity and garments present in corners, rails and boxes are the same ones the management system and the handheld see in the retail warehouse. A garment loaded here appears there straight away.

The box **for the shops**

Retail garments already have their tag with barcode and QR. To prepare a box the operator reads the barcode of each garment: the workstation lists them grouped by item, with brand, style, size, list and list price. With «Create box» the garments go into the box and the box label is printed.

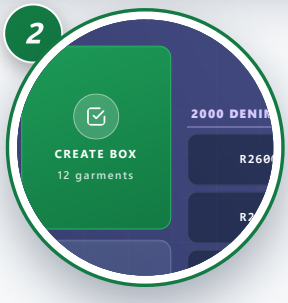




GARMENT BY GARMENT

Every garment read is listed

Grouped by item, with brand, style, size, list and price. The last one read is highlighted; one read by mistake is removed with ×.



THE BOX

Create box, or reopen it

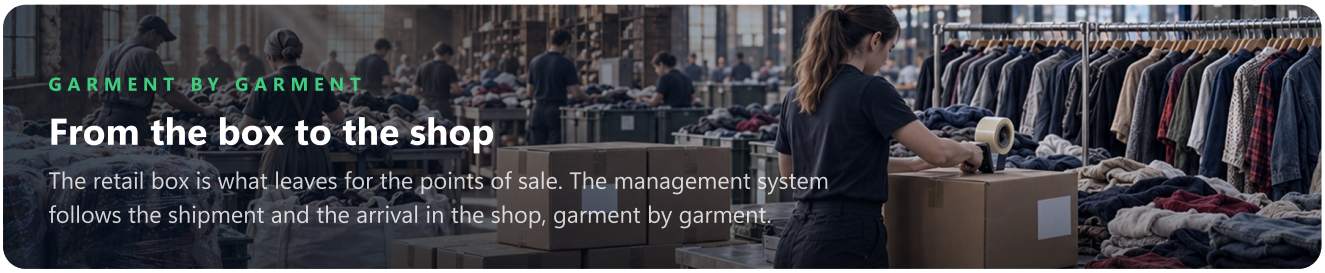
«Create box» records the garments and prints the label. Reading an existing box reopens it: garments added and removed, then «Save box».



THE WEIGHT

The weight on the label

With a scale connected the box is placed on the plate: the stable weight is recorded and printed on the box label.



GARMENT BY GARMENT

From the box to the shop

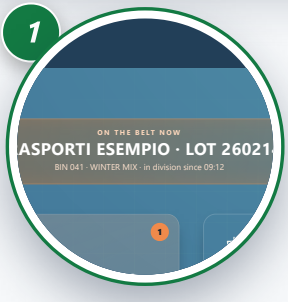
The retail box is what leaves for the points of sale. The management system follows the shipment and the arrival in the shop, garment by garment.

SORTING BY LOTS

The bin's journey, **from the truck to production**

The goods arrive in bins with an RFID tag. Each bin is weighed on arrival with the truck's lot, put on the belt, divided at the end of the belt and passed to the sorting tables. Storage bins collect the sorted goods, and the parcels produced carry the lot they come from.

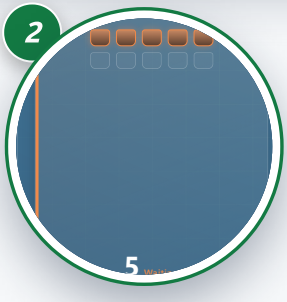




THE BELT

The bin on the belt

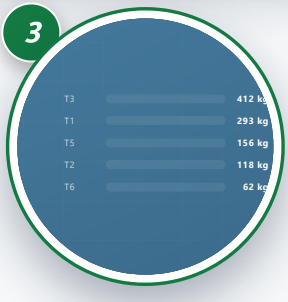
At the top, the bin being processed with the truck's lot and, next to it, today's kilos in, bins divided and bins in storage.



THE BINS

Read with the RFID antenna

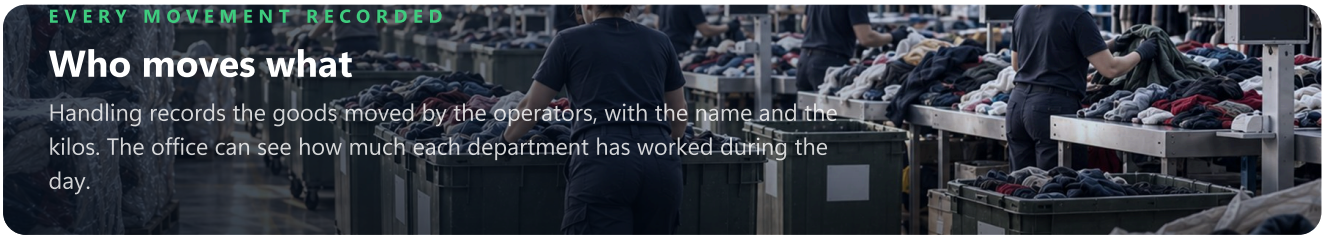
The bin is recognised by its RFID tag or by the barcode. The bin census records every empty bin with its tare: the net weight is calculated automatically.



THE LOT

The lot follows the goods

From the incoming bin to division, the tables, the storage bins and the parcel produced: from the management system you trace back to the truck.



EVERY MOVEMENT RECORDED

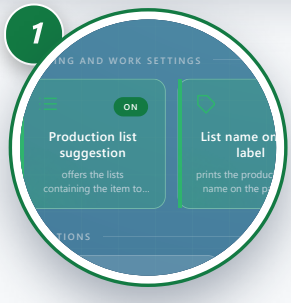
Who moves what

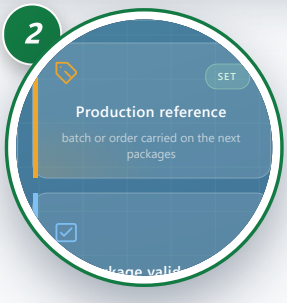
Handling records the goods moved by the operators, with the name and the kilos. The office can see how much each department has worked during the day.

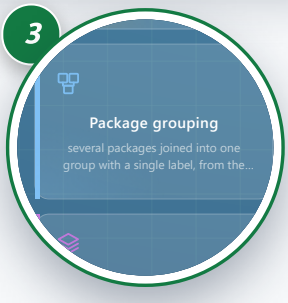
The department's **operations**

From the MENU key the operator finds the workstation's print settings and the operations needed outside normal weighing. At the bottom a panel sums up what will go on the next parcels: label template, note, reference and manual weight.









SETTINGS

One tap turns it on

List suggestion, list description on the label, multiple printing and label template: each tile shows whether it is active.

ON THE NEXT PARCELS

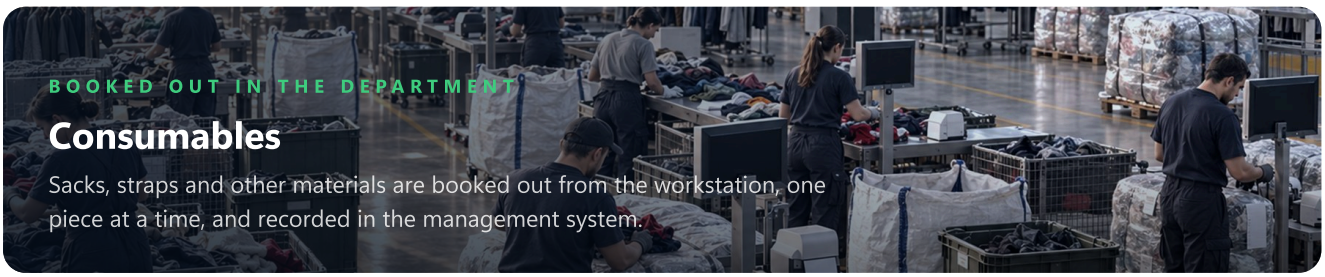
Note and reference

The note is printed on the label of the following parcels; the reference says whether it is own production, purchase or contract work.

FROM THE BARCODE

On parcels already made

Several parcels in a group with a single label, weight added to or removed from a closed parcel, validation of the parcels on the rack with the printout.



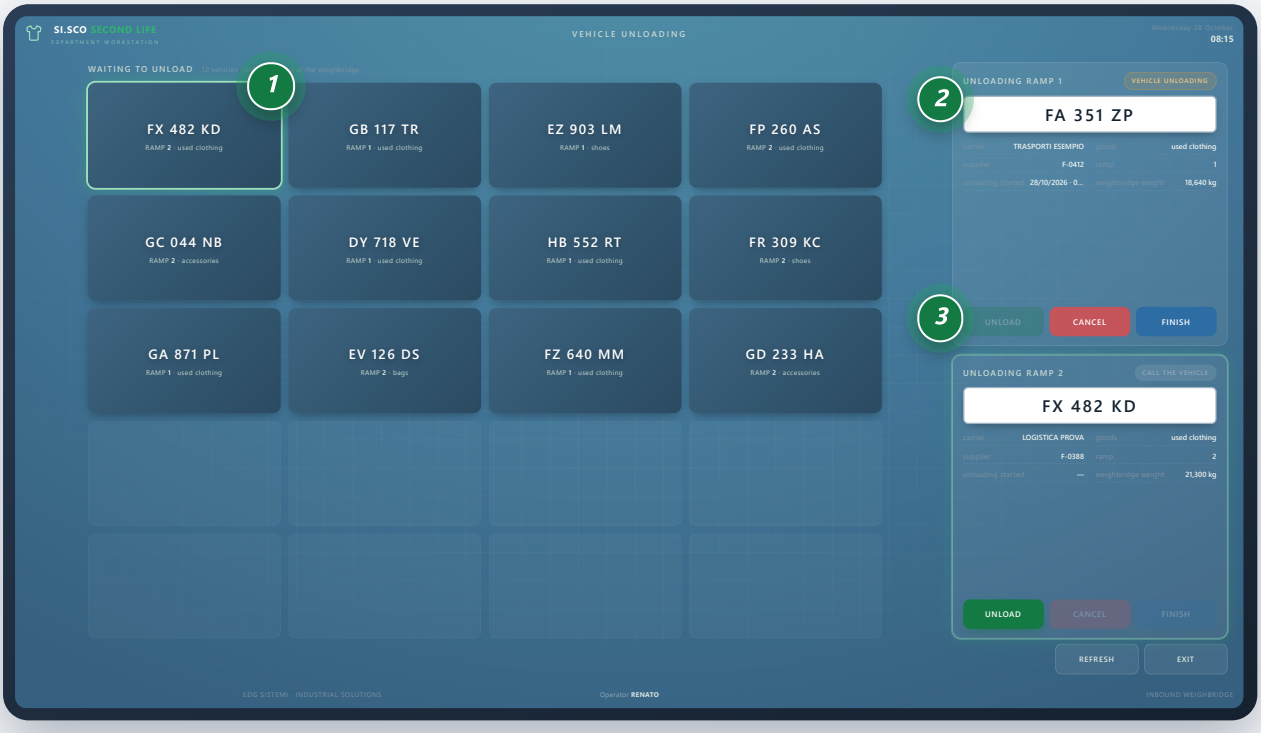
BOOKED OUT IN THE DEPARTMENT

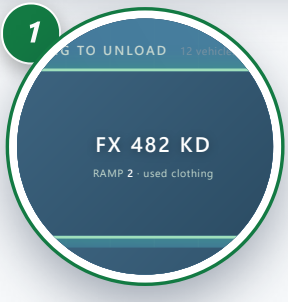
Consumables

Sacks, straps and other materials are booked out from the workstation, one piece at a time, and recorded in the management system.

Trucks waiting **and the unloading ramps**

Trucks weighed at the inbound weighbridge appear in order of arrival, with the number plate and the assigned ramp. The operator calls a truck to a ramp, starts the unloading and ends it when the truck is empty. The two ramps show carrier, material, supplier, start time and weighbridge weight.





WAITING

In order of arrival

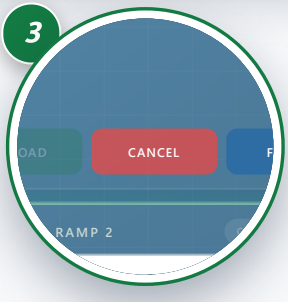
Each tile is a truck weighed on arrival, with plate, assigned ramp and material. Tap it to call it to the ramp.



FROM THE WEIGHBRIDGE

Nothing to type again

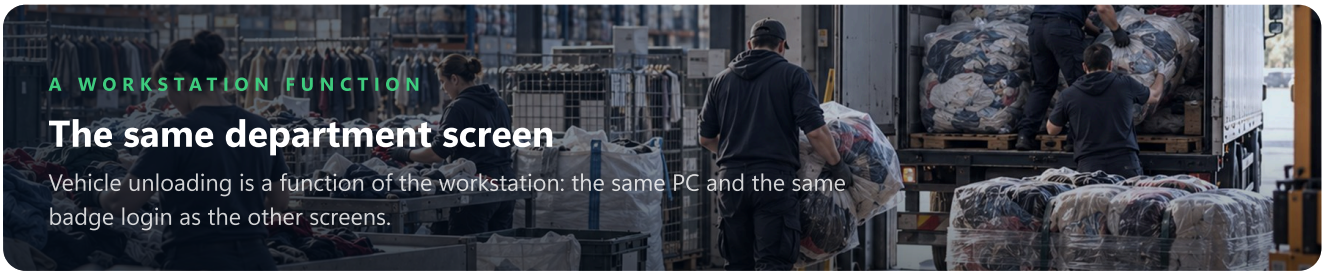
Carrier, material, supplier and weight come from the incoming weighing. In the department you pick the truck and mark start and end.



THREE KEYS PER RAMP

Unload, finish, cancel

Each key asks for confirmation with plate and ramp. Unloading start, ramp and exit stay on the weighing and can be found in the management system.



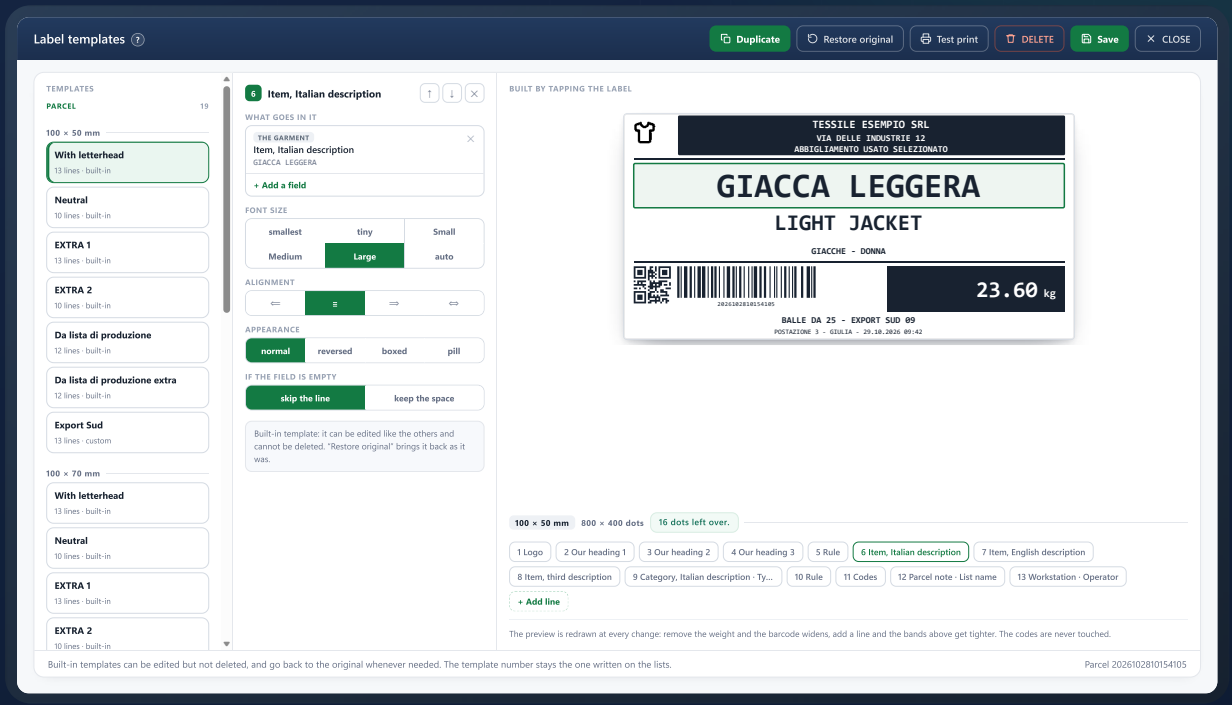
A WORKSTATION FUNCTION

The same department screen

Vehicle unloading is a function of the workstation: the same PC and the same badge login as the other screens.

Labels are decided **in the office**

The office decides what the label says, in the Label templates window, with the preview. The workstation uses the chosen template: nothing to set up in the department.



One template for each label

Parcel, box, rail, bin, grouping and free label each have a built-in template; with «Duplicate» you make your own without touching the original.

Lines, sizes and logo

Lines to print, size, position, logo and roll size: 100 × 50, 100 × 70 or 100 × 100 mm. Barcode and QR are never touched.

Test before using it

«Test print» sends the template to a workstation's label printer with sample data.

If the printer is not ready

A light in the header shows the printer's status. If a label does not go out, the workstation says what to do; once ready, the label comes out by itself.

1 badge to log in: keyboard reader, badge on serial port or smart card.	**2** colour themes, dark and light, chosen by each workstation.	**5** languages, the same dictionaries as the program.	**0** customers and sale prices shown in the department during production.

Devices configured from the server

Network or serial scale, label printer, badge reader and RFID antenna connect to the department PC and are configured from the management system, workstation by workstation. 1920 × 1080 touch monitor.

EDG Sistemi srl
Via Miguel Cervantes de Saavedra 64
80133 Naples · Italy · info@edgsistemi.it