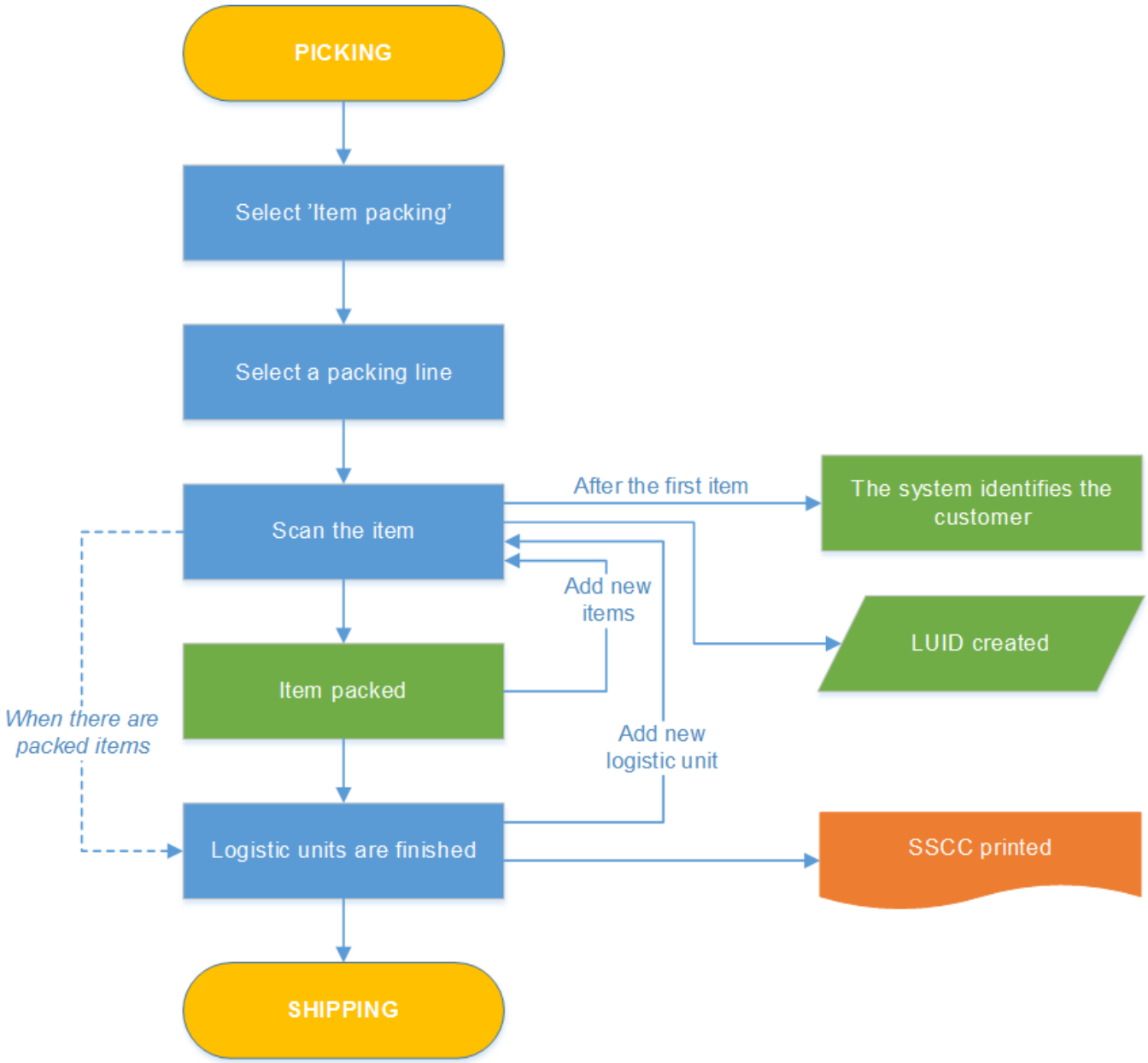
9.3. Item packing flow

The flow uses a moveable location as an input, but items can be scanned to select pick lists.



- Item packing flow
- Packing line
- Scan item
- Pack item
- Add items
- Add SSCC
- Finish SSCC

9.3.1. Select a packing line

Select a packing line where the items that have to be packed are located.

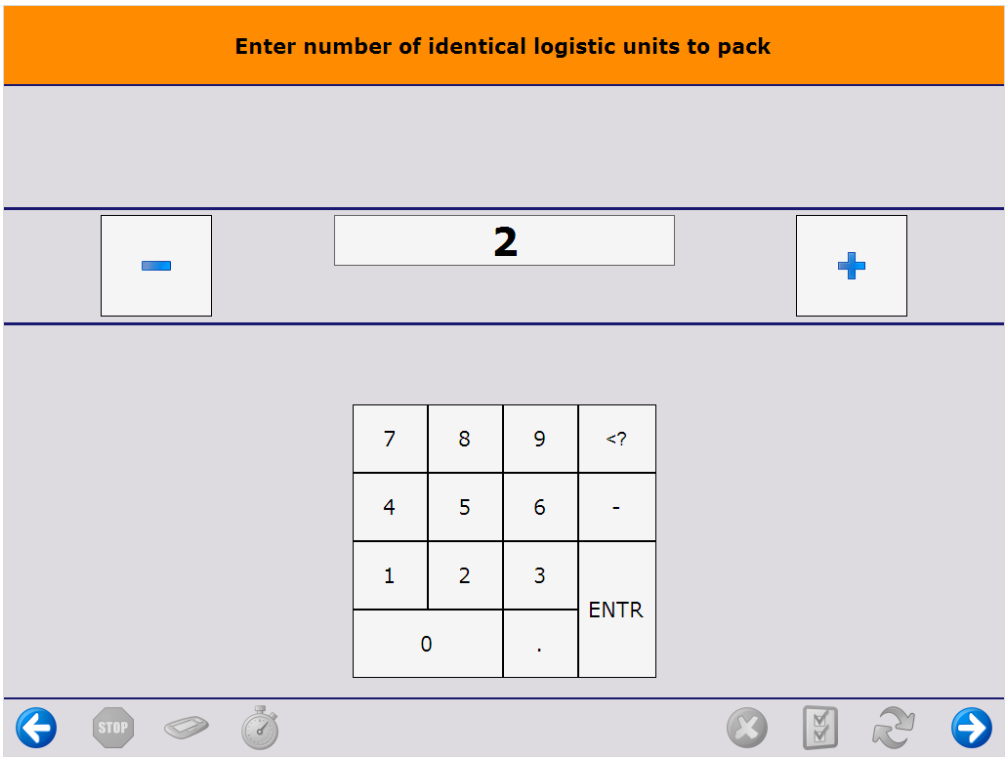
9.3.2. Identify moveable location

After selecting a packing location, scan the moveable location on which the items currently are or press the ‘Enter cart manually’ button and enter the code of the moveable location.

9.3.3. Select task

When the ‘Allow to create master SSCC’ option is enabled on the Pick list controller, it is possible to create a master SSCC during the packing. On the ‘Select a task’ screen press the ‘Create master SSCC’ button to pack onto a master SSCC. Press the ‘Create normal SSCC’ button to pick onto a normal SSCC.

When the ‘Use pallet packing type from customer master data’ option is enabled on the on the Packing controller and the Pallet packing type is ‘Multiple Pallet’, ‘Pallet –multiple carton’ or ‘Ask user’, add the number of identical logistic units as well.



In the case of working with master SSCC’s, first add the number of the identical master SSCC’s, then add the number of identical sub SSCC’s on a single master SSCC.

9.3.4. Scan item

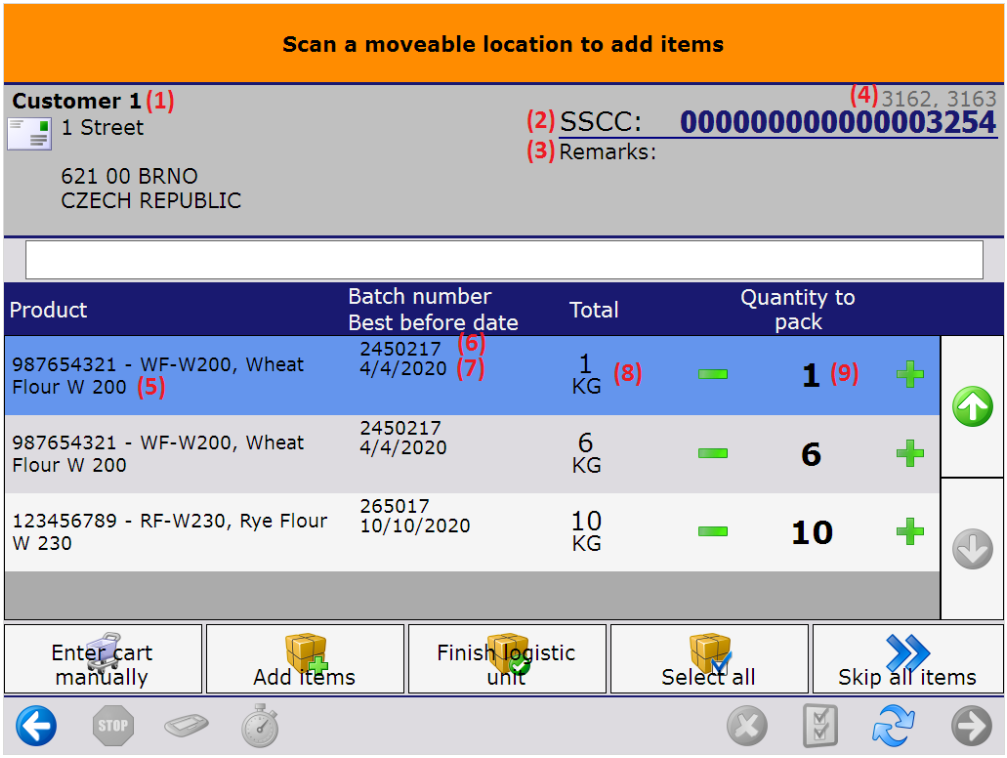
The next screen shows the list of items that have been picked onto the moveable location. Identical items from different pick lists will be displayed in separated lines. The item quantity will be 0 by default because the flow allows to define the quantity by scanning. The item quantity cannot exceed the total quantity. Only items on the list can be scanned, otherwise an error message will be displayed.

Start scanning the item barcodes. After scanning the first item, the system will automatically select a customer/address based on which customer ordered the least amount of the scanned item. The system will show the name of the customer, the shipping address and the pick list number(s).

After scanning the first item, only the items picked for the customer will be displayed on the list. The scanned item will be selected.
(When using only the touchscreen, select an item by pressing it. After selecting the first item, the system will automatically identify the customer. After the first selection, only the items picked for that costumer will be displayed.)

9.3.5. Pack item

The next screen displays a list of the items. Identical items from different pick lists will be displayed in separated lines. Use the input field for filtering the list. The screen also displays the name of the customer, the shipping address and the pick list number(s) under the screen title.



Displayed information:

1. Customer – address
2. SSCC number (When packing on multiple SSCC's: * *Multiple SSCC* * text is displayed).
3. Pick and Pack remarks from the picklist.

4. Pick lists
5. Barcode – Item code – Item description
6. Batch number
7. Best before date
8. Open quantity on the moveable location (When packing on multiple SSCC's : total quantity on moveable location/number of identical SSCC) When packing on multiple identical master and sub SSCC: total quantity on moveable location/(number of identical master SSCC's* number of identical sub SSCC's)
9. Quantity to pack. Adjust the quantity by pressing + or -. The maximum quantity to pack is the Total quantity on the line.

Select the quantities to pack.

Modify the item quantity by using the + / - buttons next to the item's quantity input field. By default the system displays the total quantity. The entered quantity cannot exceed the total quantity.
The quantity also can be entered by using a keyboard. After clicking in the quantity field, a keyboard will appear. Press 'Enter' to close the keyboard.

Use the `Select all` button to select all the items on the list.

9.3.6. Add items

If at least one item is selected, the `Add items` button will be active. After pressing this button, the selected item(s) will be moved onto the logistic unit. The items that have already been packed are not displayed on the list. Packed items cannot be removed from the logistic unit.

When at least one item is packed onto the logistic unit, the system creates a LUID for it. After the LUID is generated, it will be displayed on the screen.

9.3.7. Add chart

New items for the same customer can be added to the list of possible items to pack. For adding items from another moveable location, scan the barcode or press the `Enter cart manually` button and enter the code.

9.3.8. Finish SSCC

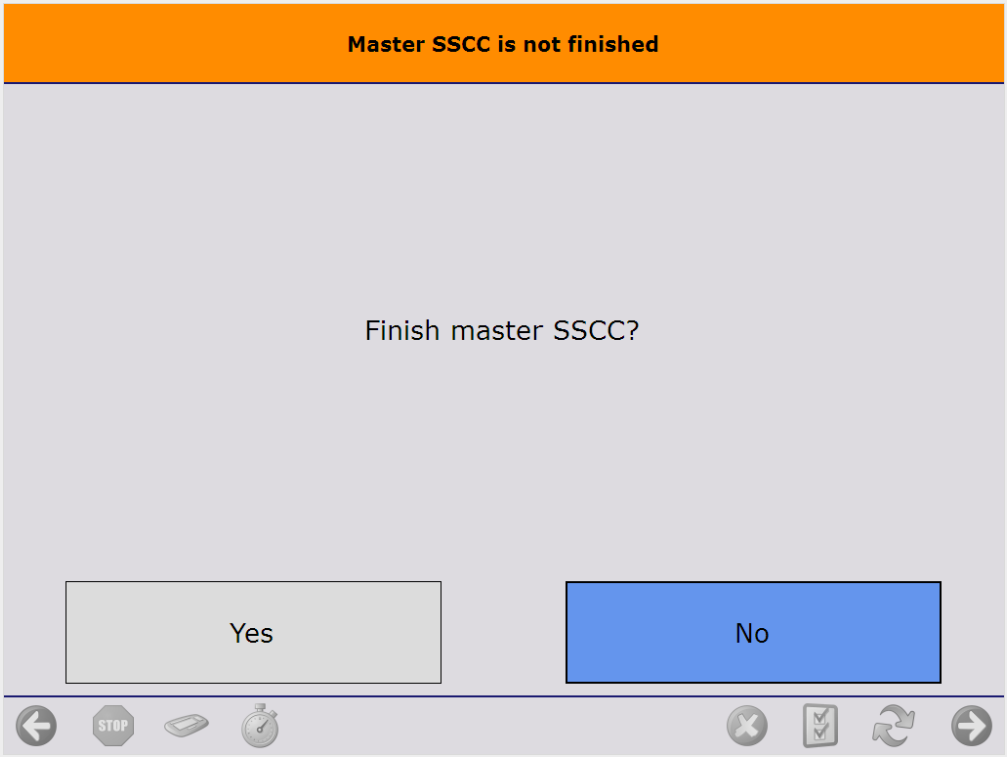
If there is at least one item packed into the logistic unit, the `Finish logistic unit` button will be active. After pressing the `Finish logistic unit` button, the system prints the SSCC label. *(Packing: finished logistic unit event (500) print event)* After finishing a logistic unit, the system displays the shipping dock where to logistic unit has to be moved.

When creating a master SSCC during the picking, after the `Finish logistic unit` button has been pressed, the system asks whether you wish to finish the master SSCC or the sub SSCC.

Press the `Master SSCC is full` button to finish the master SSCC. After finishing the master logistic unit, the system prints the labels for the master and the sub logistic units and displays the dock where the master logistic unit has to be moved. On the next screen declare whether you would like to start a master or a sub SSCC.

Press the 'Sub SSCC is full' button to finish the sub SSCC. The picking will be continued onto a new sub SSCC, but onto the same master SSCC.

If every item is packed and 'Automatic shipping' is enabled for the shipping type of the base document, the *Master SSCC is not finished screen* is opened. Press the 'Yes' button to finish the master SSCC as well.

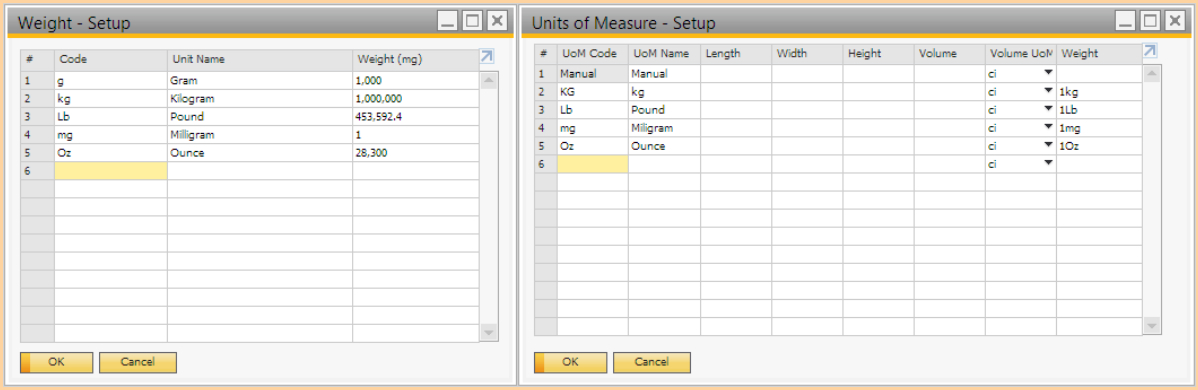


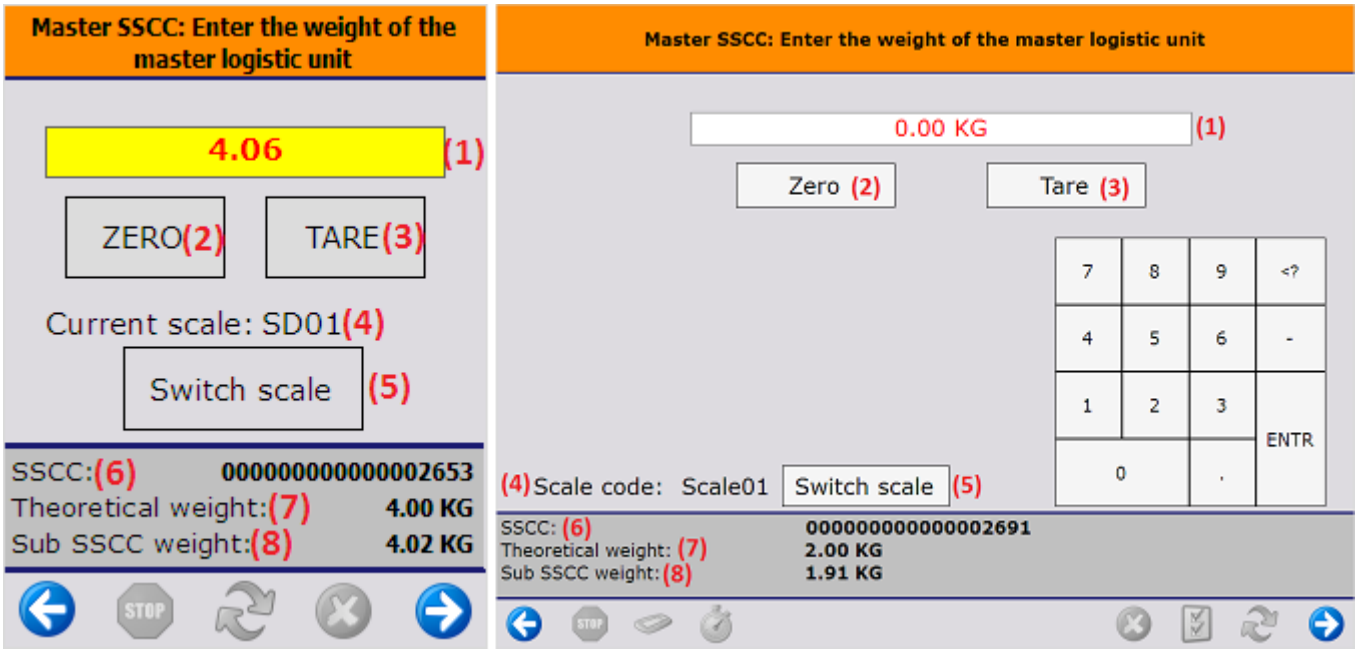
On the next screen the select a logistic unit to pack on or press the `Start new logistic unit` button to create a new logistic unit.

9.1.8.1. Capture weight

If the *'Ask weight?'* or *'Ask weight Sub SSCC?'* option is set to true on the Produmex pick list types user table for the pick list, and there is a scale defined under the shipping dock/packing line, the weight of the logistic unit can be measured on the connected scale after the logistic unit is finished.

Make sure that conversions between the units of measurements are set up correctly on the Units of Measure - Setup (OUOM) and Weight - Setup (OWGT) SBO standard tables.





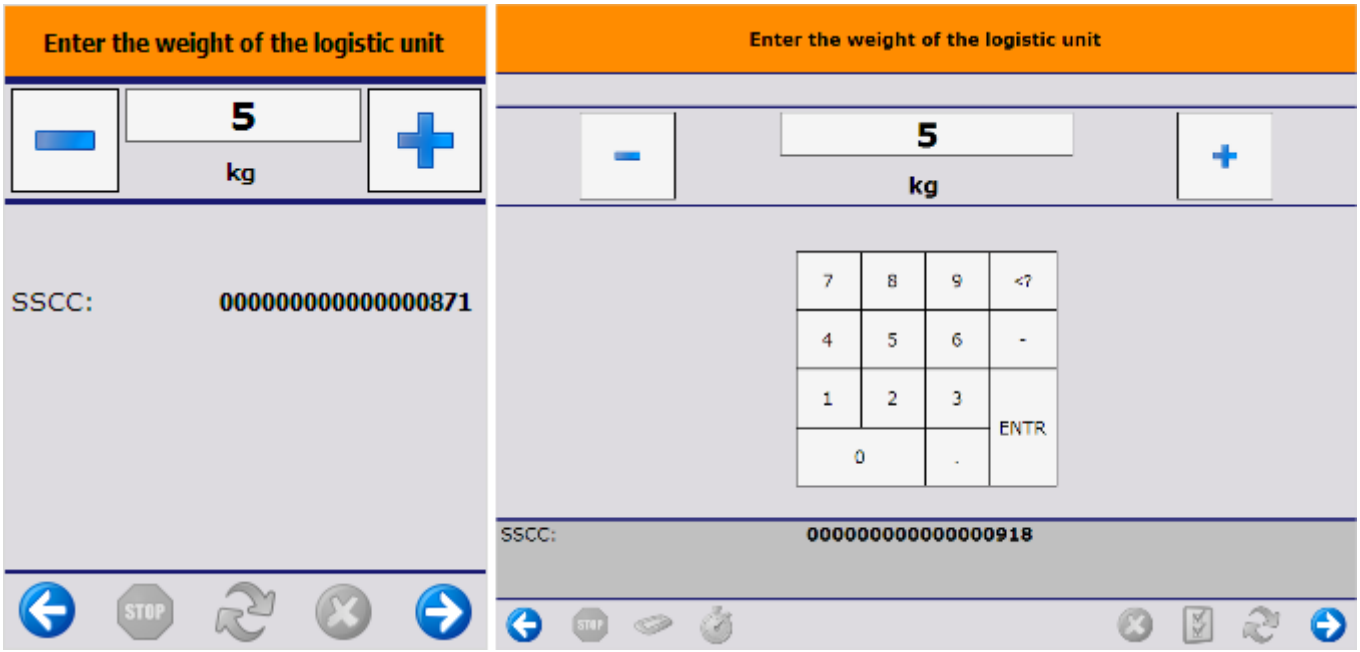
1. The measured weight. The UoM is the UoM defined for the scale. The number of decimals displayed depends on the scale accuracy.
   This field is automatically filled with the weight measured on the connected scale. It is possible to manually overwrite the measured weight.
   If the weight is manually added or the connection to the scale is lost, the value starts flickering in red.
2. If the scale has a defined zero command, the *'Zero'* button is displayed.
3. If the scale has a defined tare command, the *'Tare'* button is displayed.
4. The code of the connected scale.
5. If there are more than one scales defined under the dock/packing line, an additional *'Switch scale'* button is displayed on the screen. Press this button to change the scale.
   On the next screen select the scale from the list. Every scale defined under the dock/packing line is listed. After switching the scale, the screen will use the chosen scale. After proceeding

with the flow, and a new weight needs to be captured, the standard logic to choose a scale is used. This means that switching scale only switches the scale for the current weighing.

6. SSCC number of the logistic unit.
7. *Theoretical weight*: The *theoretical weight* is the sum of the weight of the items on the logistic unit. The item weight can be defined on the Sales tab of the Item Master Data.
8. In the case of master SSCC's, an additional *Sub SSCC's weight* value is shown. The value is calculated as the sum of the measured weight of the Sub SSCC's.

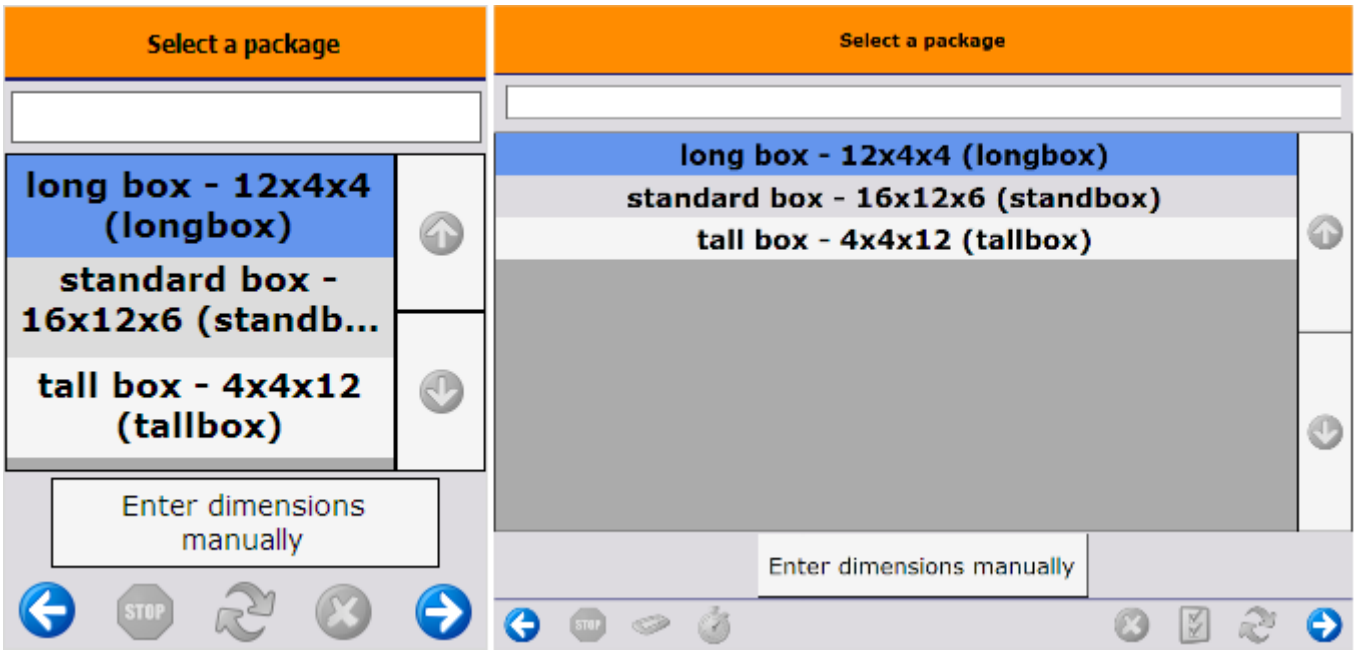
9.1.8.2. Enter dimensions

If the *Ask weight?/ Ask weight Sub SSCC?* option is enabled for the pick list type, and there is no scale defined under the shipping dock/packing line, the user has to enter the weight of the (sub) logistic unit after it is finished. The data will be stored on the PMX_LUID table. The unit of measure is the *Default Weight UoM* set on the Display tab of General Settings.



Based on the pick list type settings, the user might have to enter the dimension(s) of the (sub) logistic unit after it is finished.

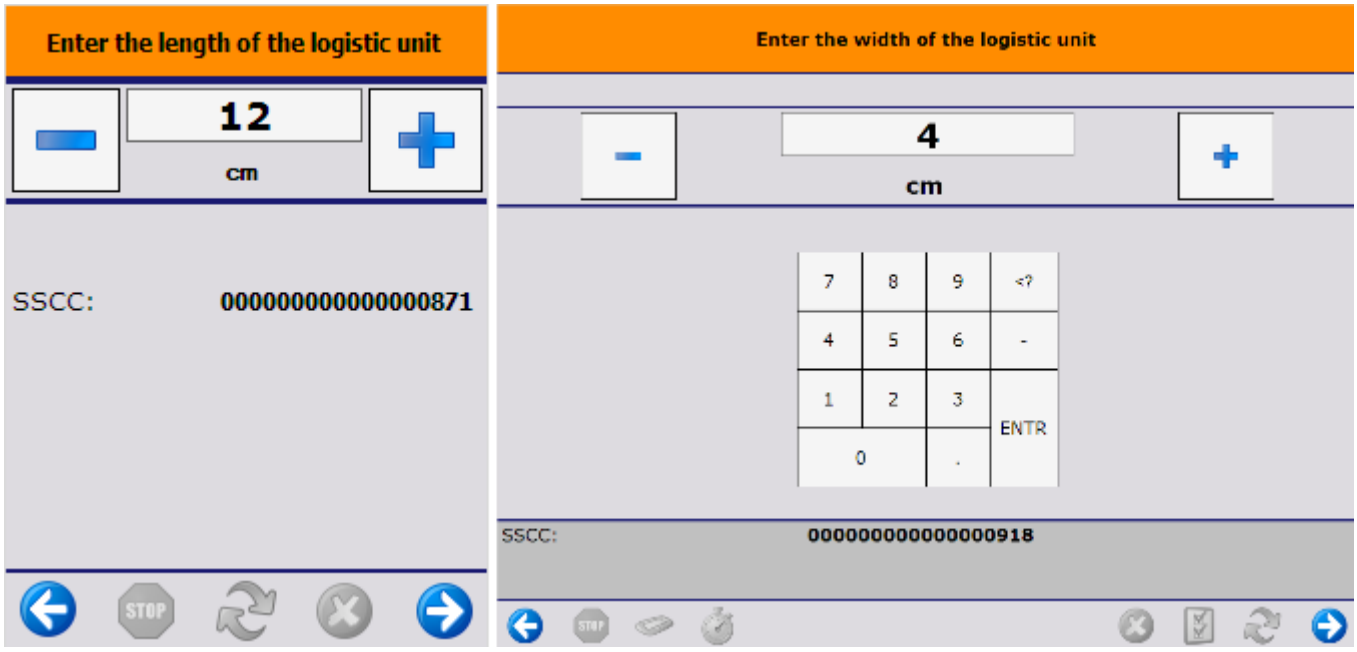
When there are package dimensions defined on the Package Dimensions table, the user can select a predefined dimension instead of entering the length, the width and the height manually. The 'Select a package' screen opens. On this screen every package dimension that is not cancelled is listed. Select a dimension from the list or press the 'Enter dimensions manually' button.



When the 'Enter dimensions manually' button is pressed or there are no package dimensions defined, the user has to enter the dimensions manually.

- If the *Ask length?/ Ask length Sub SSCC?* option is enabled for the pick list type, the user has to enter the length of the (sub) logistic unit after the it is finished.
- If the *Ask width?/ Ask width Sub SSCC?* option is enabled for the pick list type, the user has to enter the width of the (sub) logistic unit after the it is finished.
- If the *Ask height?/ Ask height Sub SSCC?* option is enabled for the pick list type, the user has to enter the height of the (sub) logistic unit after the it is finished.

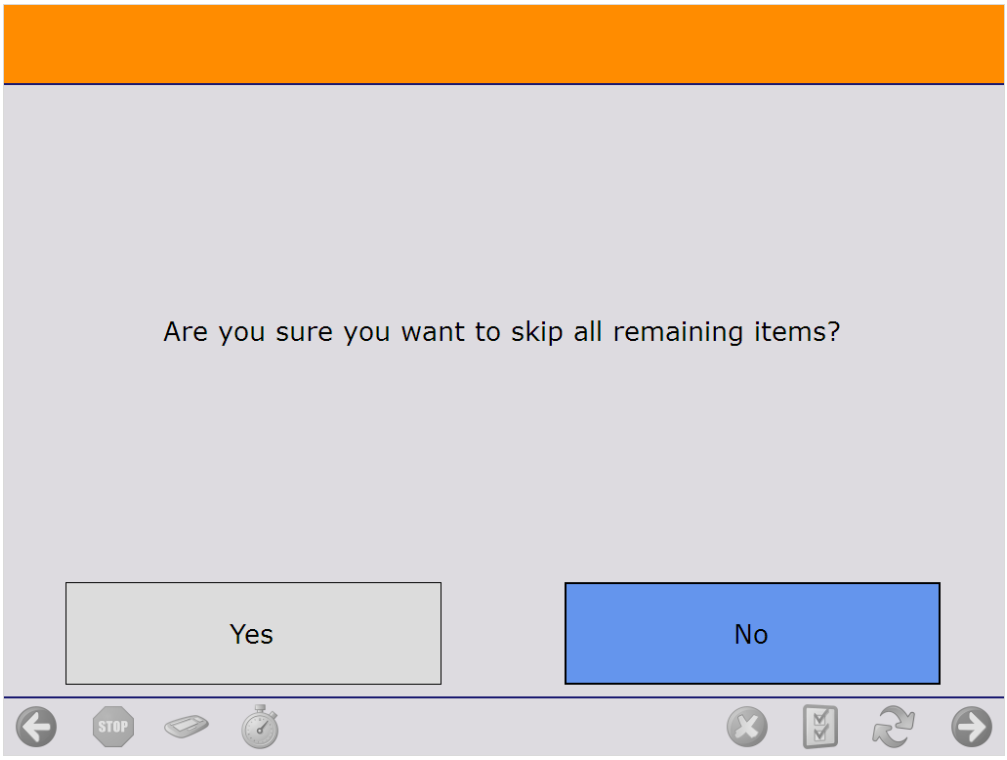
The data will be stored on the PMX_LUID table. The unit of measure is the Default Length UoM set on the Display tab of General Settings.



9.3.9. Skip items

It is possible that there are goods that cannot be packed. Continue the packing until only products that cannot be packed are listed on the screen.
Press the ‘Skip all items’ button to skip every remaining item.

On the next screen confirm that you would like to skip the remaining items.

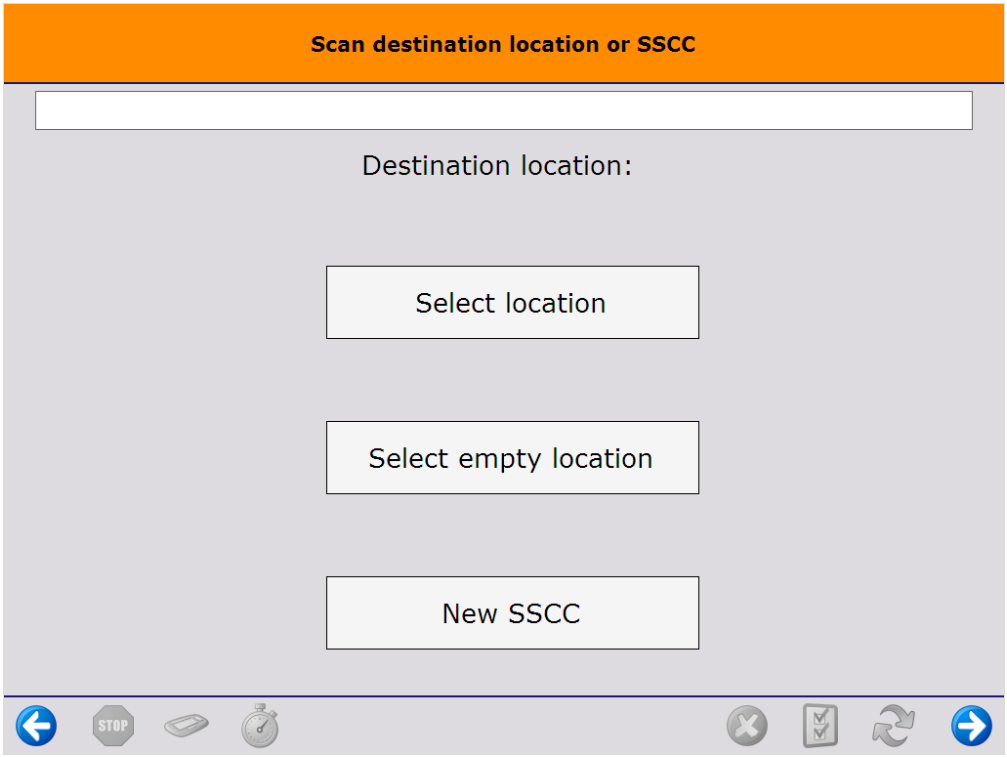


The system proceeds to the *Select a reason* screen.
Select a reason from the list. Every reason that can be used for picking is listed.

On the next screen define where the skipped items should be moved.

- To move the items onto an SSCC, scan the SSCC. If the scanned SSCC is not in stock, identify the destination location as described below.
- To create a new SSCC, press the ’New SSCC button’ then identify the destination location as described below. If configured, the *700 - WHS: created LU* print event is triggered and the logistic label is printed.
- Scan the destination location or select it from a list.
  - Press the ’Select location’ button to list every active location from the warehouse.
  - Press the ’Select empty location’ button to list every empty active location from the warehouse.

Please note: If no SSCC is created or selected, the items will be moved without a linked logistic unit.



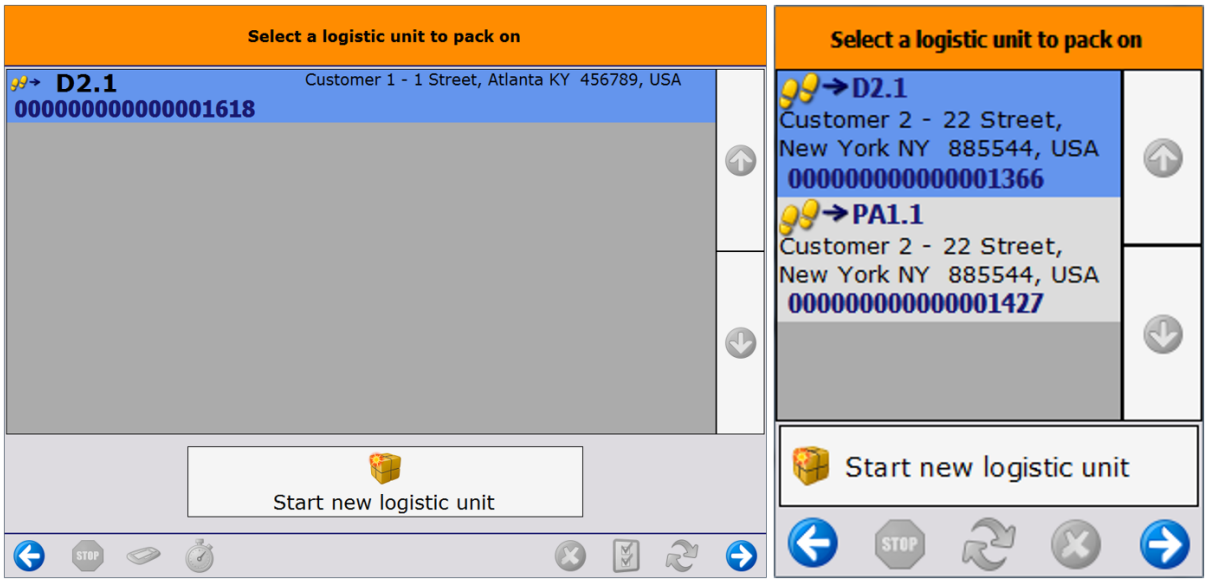
After the destination location is defined, the system removes the locking from the skipped products and updates the pick list.

- If the total quantity on the pick list line is skipped, the system adds the selected reason to the pick list line and closes it.
- If the pick list line is partially skipped, the 'Open' and 'Picked' quantity of the pick list line is updated with the packed quantity. A closed line will be added with the quantity and the details of the skipped product and the selected reason.

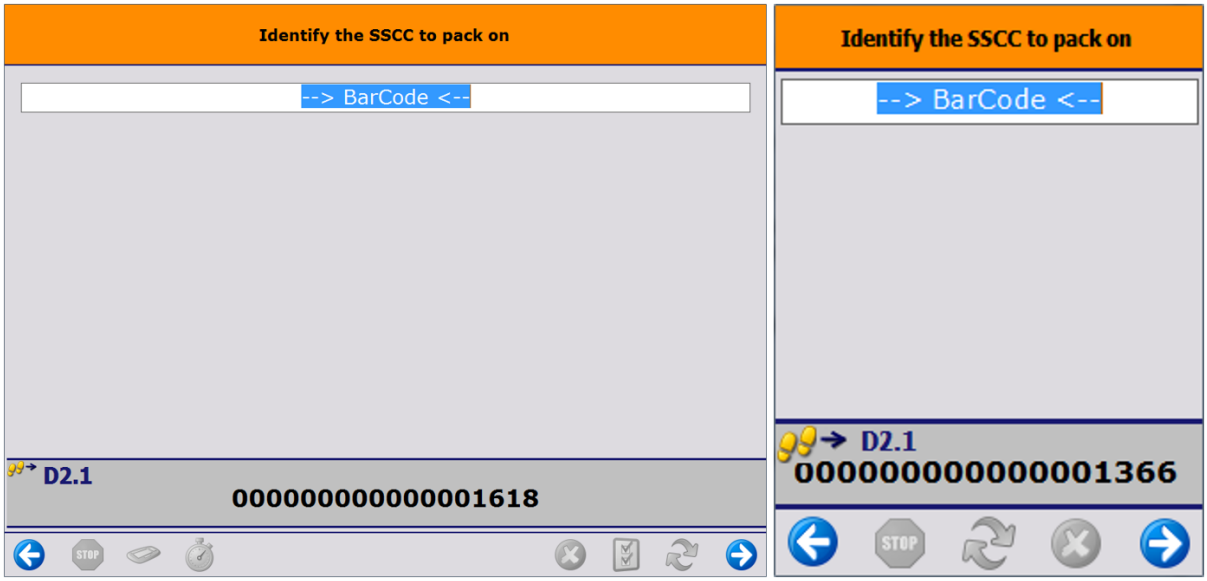
After the lockings are removed, the skipped products are moved onto the selected logistic unit or destination location. Then the system returns to the *Select moveable location* screen where the user can continue the packing.

9.3.10. Restarting the flow

The flow can be continued after an abortion. Restart the flow and select the packing location. If there are a moveable location, scan the moveable location as well. Then the system will offer the option to choose from the existing logistic units or to start a new one.



After selecting the logistic unit, scan the SSCC barcode on the logistic unit.



9.3.11. Continue the packing onto an already packed logistic unit

When there are already packed logistic unit(s) for the selected customer or shipping address, the system will offer the option to choose from the existing logistic unit(s) or to start a new one. After selecting a logistic unit, scan the SSCC barcode on it.