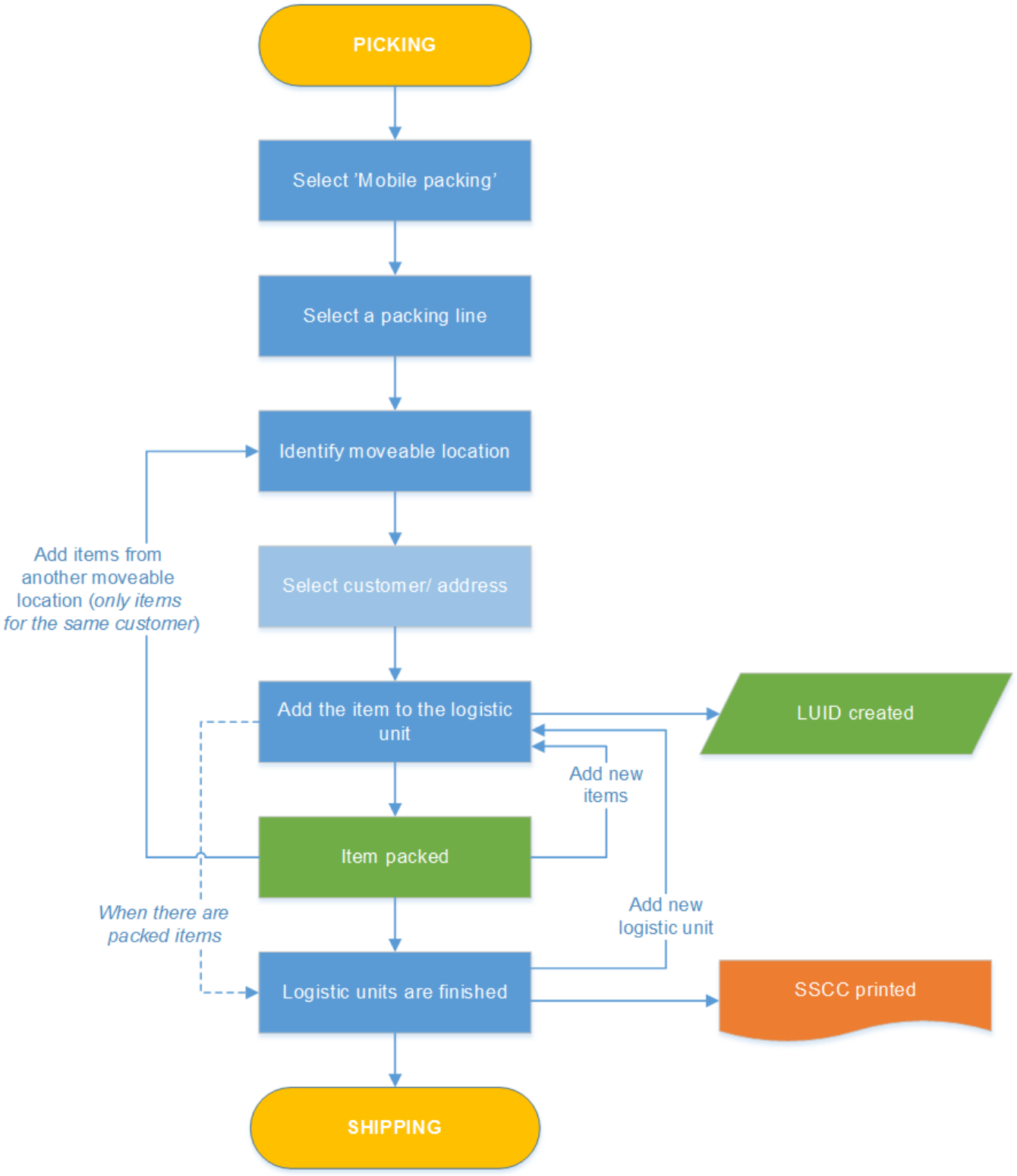
Mobile Packing Flow

Overview

This flow is available in the scanner mode. In the mobile packing flow the system do not display the maximum quantity to pack. The flow is used for a second verification whether the picked quantities are correct.

Workflow



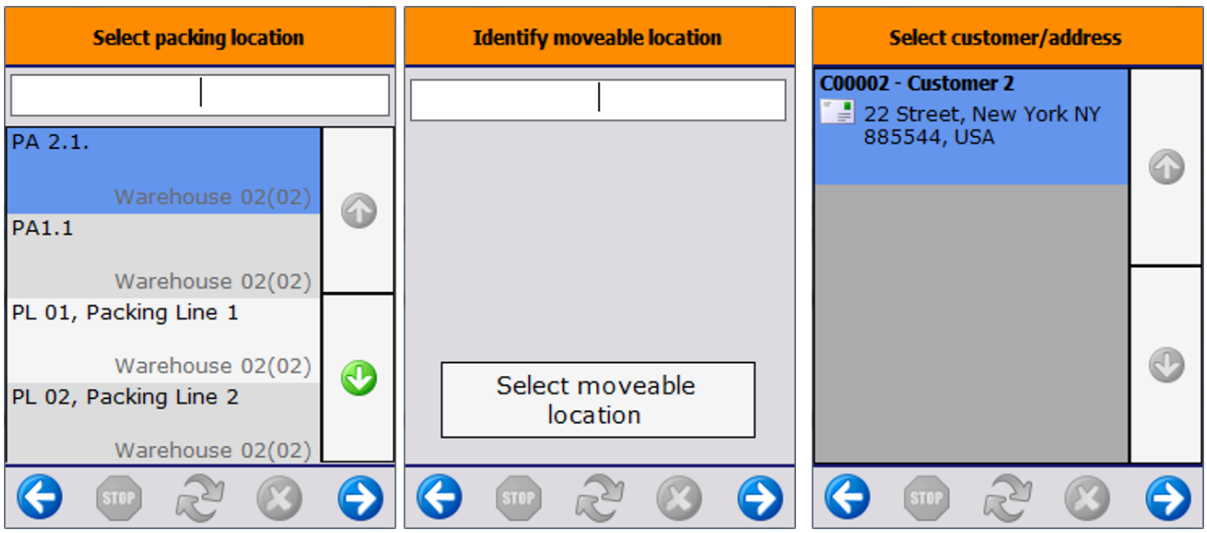
Mobile Packing Flow steps

1. Initiate the flow

Select the Mobile Packing function in the Sales menu of the Mobile Client.

2. Select a packing line

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



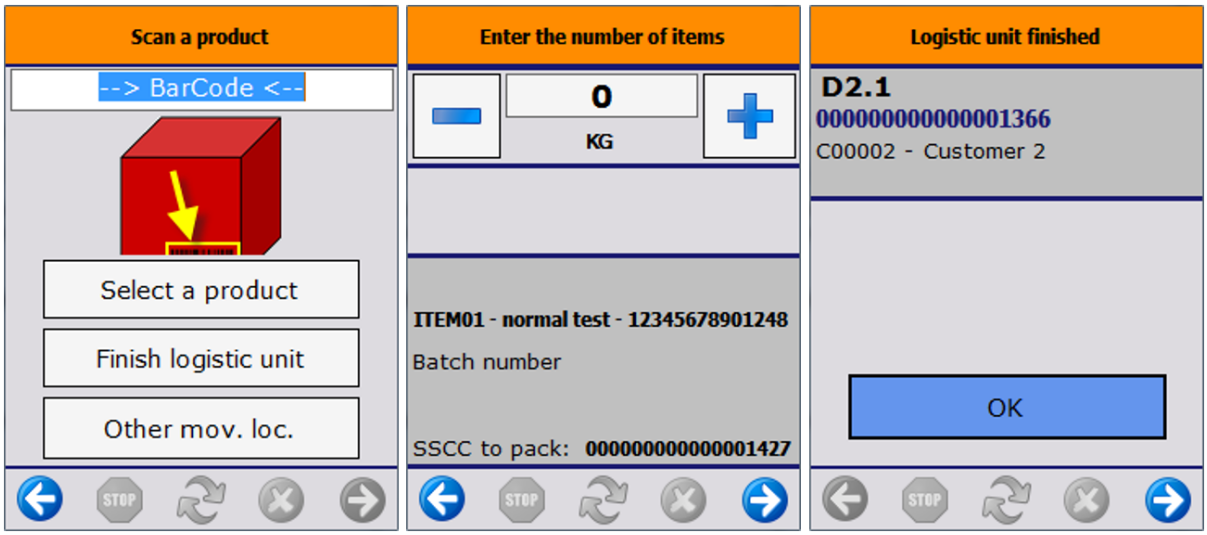
3. Identify moveable location

Scan the moveable location on which the items currently are or press the ‘Select moveable location’ button and select it from the list.

After identifying the moveable location, select a customer/ address from the list.

4. Pack item

Then identify items by scanning or selecting from a list (press the ‘Select a product’ button.) Add the quantity with the + / - buttons. There is no limit to the entered quantity, but the system will display an error message if the entered quantity exceeds the picked quantity still available on the moveable location. Press the right arrow to proceed. After the first item is packed onto the logistic unit, the system creates a LUID for it.



4.1 Consolidated packing of serial and batch items

During Mobile Packing, the system can consolidate equivalent picklist lines for serial-number-managed and batch-managed items.

This behavior is useful when identical items are picked from multiple locations or logistic units, but are later physically mixed together on the same moveable location or SSCC.

Previously, operators had to process serial numbers according to the original picklist lines or batch groups. This required scanning the serial numbers in a predefined order, even though the products were already physically mixed together during the picking process.

With consolidated packing operators can:

- Add the total quantity in a single step
- Scan serial numbers in any order
- Use serial numbers from any grouped picklist line

After selecting:

- The packing line
- The moveable location
- The customer/address
- And the item

The system automatically groups matching picklist lines.

The consolidation is supported when the grouped lines have:

- The same item number
- The same quality status
- The same best before date
- Compatible batch or second batch information

On the quantity entry screen, the system automatically proposes the total quantity picked for the grouped picklist lines on the selected moveable location.

> **Example 1.**
>
> | Picklist line | Quantity | Serial numbers | Pick location |
> |---|---|---|---|
> | PLL1 | 3 | SN1, SN2, SN3 | Location1 |
> | PLL2 | 1 | SN4 | Location2 |
> | PLL3 | 6 | SN5-SN10 | Location3 |
>
> All items are picked onto the same moveable location.
>
> In this example, the default quantity displayed on the quantity screen is “10”.
>
> **The operator can:**
>
> - Accept the proposed quantity

- Or enter a smaller quantity

The entered quantity defines the maximum number of serial numbers that can be scanned.

After confirming the quantity, the system allows the operator to scan any serial number linked to the grouped picklist lines on the selected moveable location.

Example:

1. Enter quantity “4”
2. Scan: SN7, SN2, SN10, SN4

The system validates that the scanned serial numbers belong to the selected item and are available on the selected moveable location or SSCC.

Example 2.

Picklist line	Batch	Serial numbers
PLL1	Batch1	SN1, SN2
PLL2	Batch1	SN3, SN4
PLL3	Batch2	SN5, SN6

Previously, operators had to process the batch groups separately.

With consolidated packing enabled, the operator can:

1. Select quantity “6”
2. Scan SN1, SN5, SN3, SN6, SN2 and SN4 in any order

The scanning order no longer depends on the original picklist lines or batch groups.

Example 3.

Batch	Best before date	Serial numbers
Batch1	BBD1	SN1, SN2
Batch1	BBD2	SN3, SN4
Batch2	BBD2	SN5, SN6

In this example:

- SN3, SN4, SN5 and SN6 can be scanned together because they share the same best before date.
- SN1 and SN2 must be processed separately because they belong to a different best before date group.

Note: Be aware about the following, picklist lines are not consolidated when they have different best before dates or different quality statuses. In such cases, the serial numbers must

> be processed separately.

5. Add chart

It is possible to add items from another moveable location, if the items were picked for the selected customer. Select the ‘Other moveable location’ button.

6. Finish SSCC

If there are at least one item packed onto the logistic unit, the ‘Finish logistic unit’ button will be available. When pressing this button, the packing onto the logistic unit is finished. The system prints the SSCC label *(Packing: finished logistic unit event (500) print event)* and displays the shipping dock where to logistic unit has to be moved.

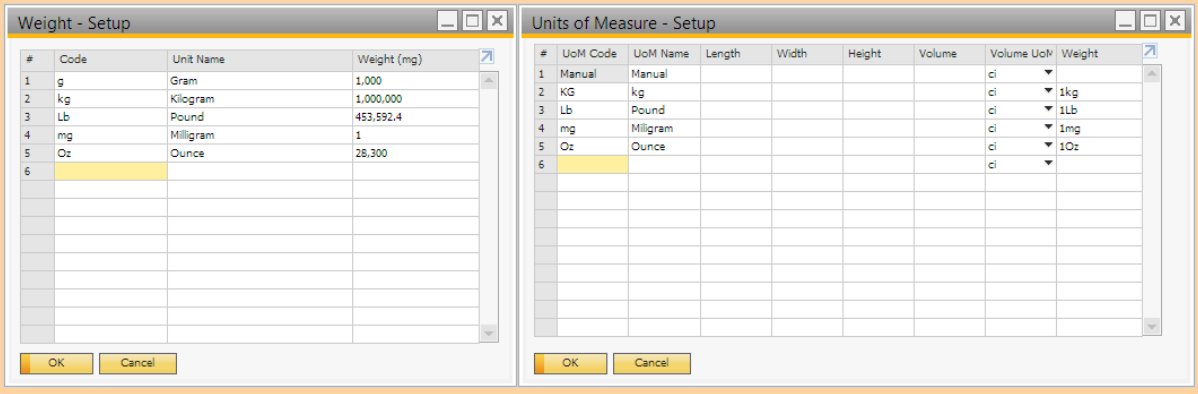
When there are still picked items on the moveable location, the packing can be continued onto another logistic unit.

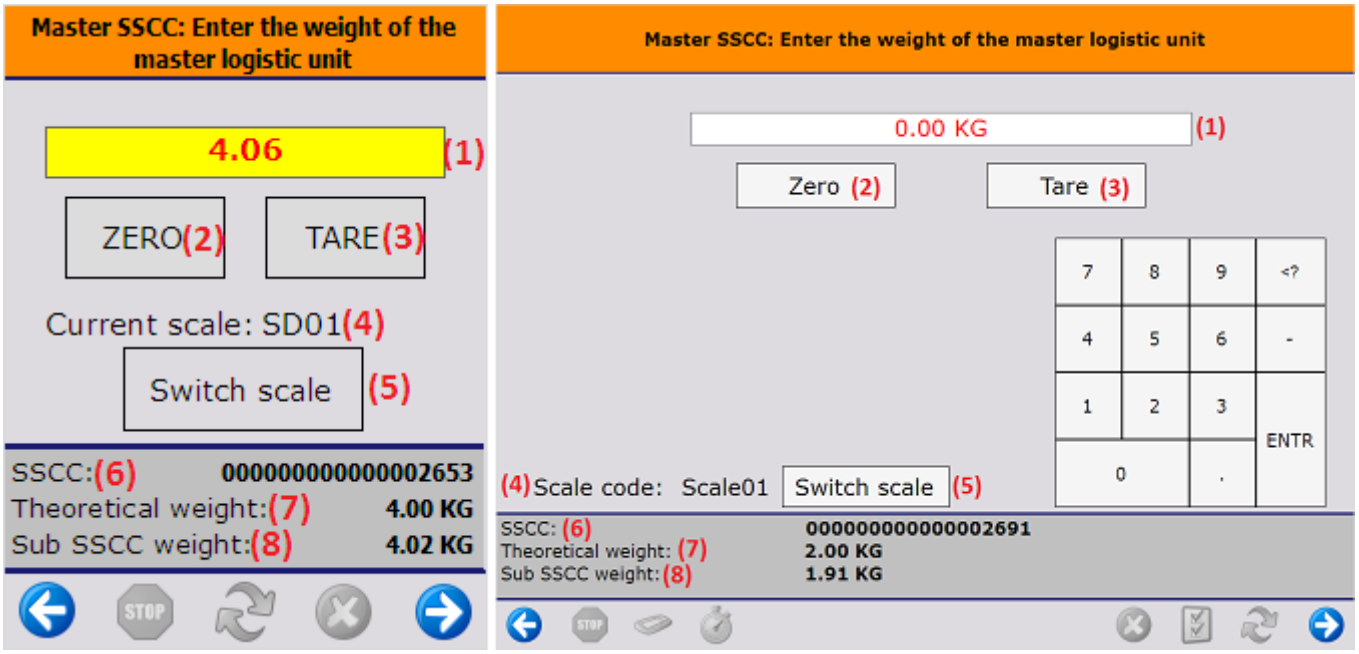
After packing all the picked items for the customer from the moveable location, the system will ask whether to finish the SSCC or proceed with the packing from another moveable location.

6.1. 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.

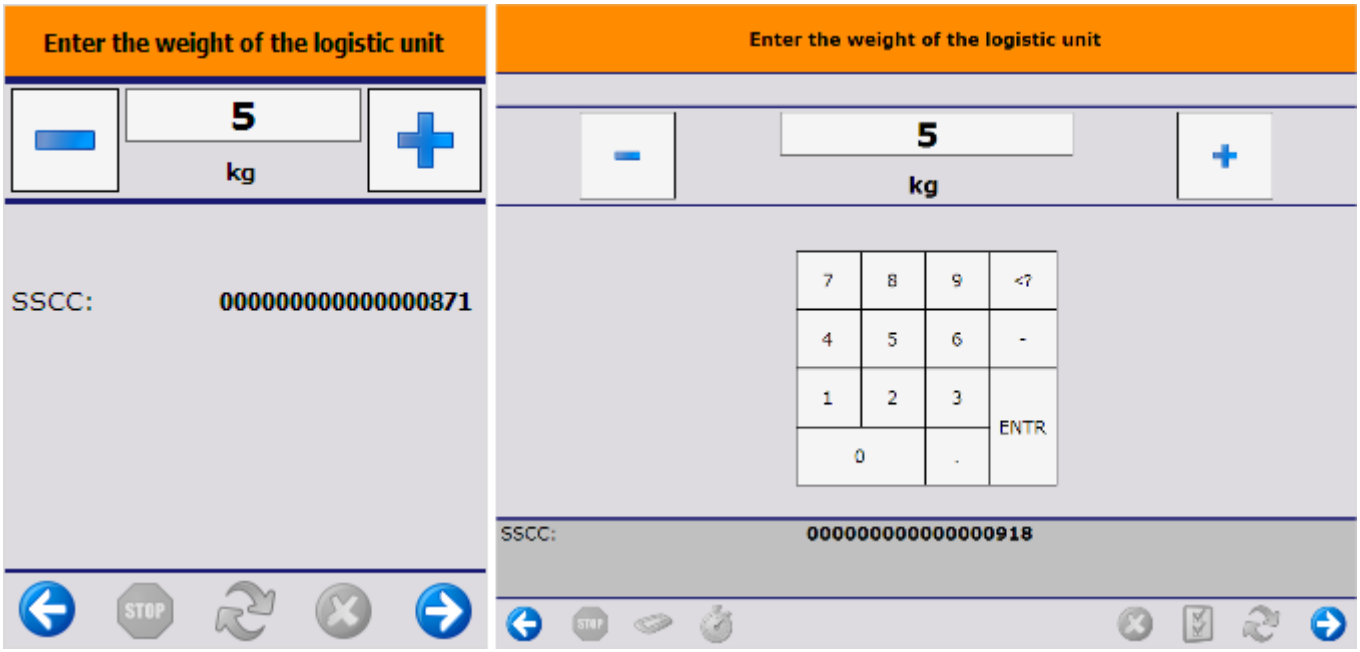




1. The measured weight. The UoM is the UoM defined for the scale. The number of decimals displayed depends on the scale accuracy.
   This field is automatically filled with the weight measured on the connected scale. It is possible to manually overwrite the measured weight.
   If the weight is manually 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. Tap 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.

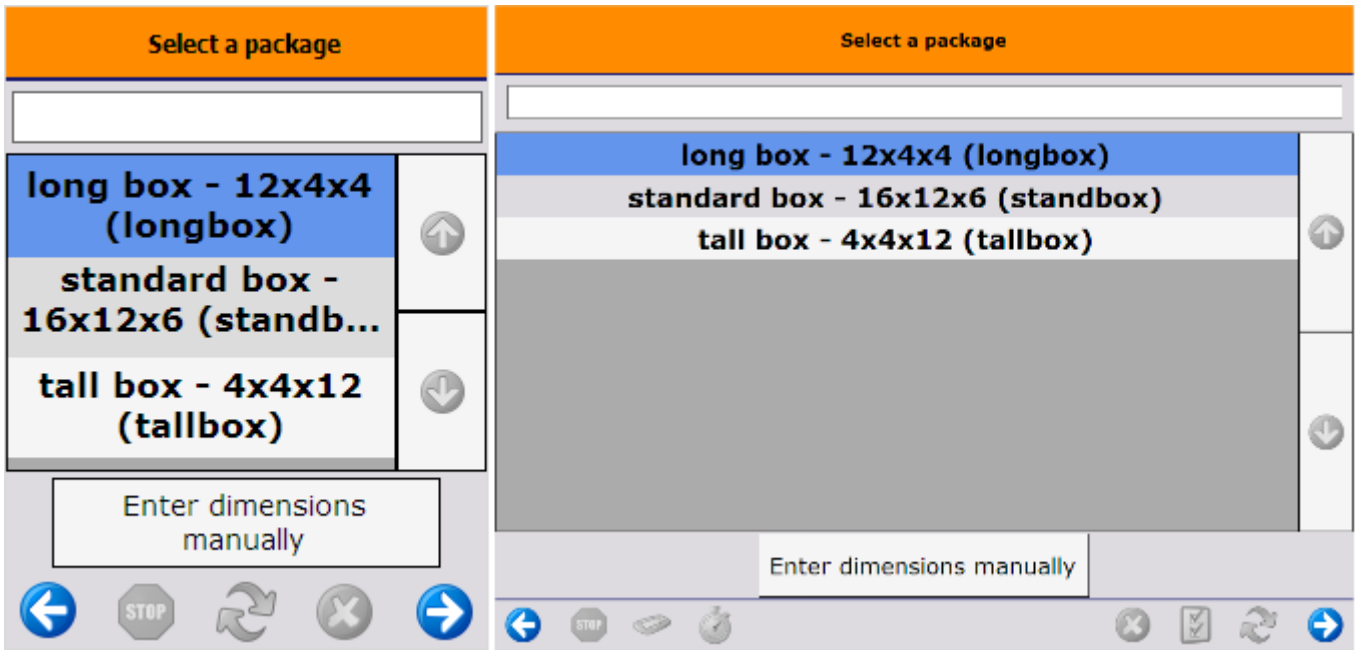
6.2. Enter dimensions

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 tap the `Enter dimensions manually` button.

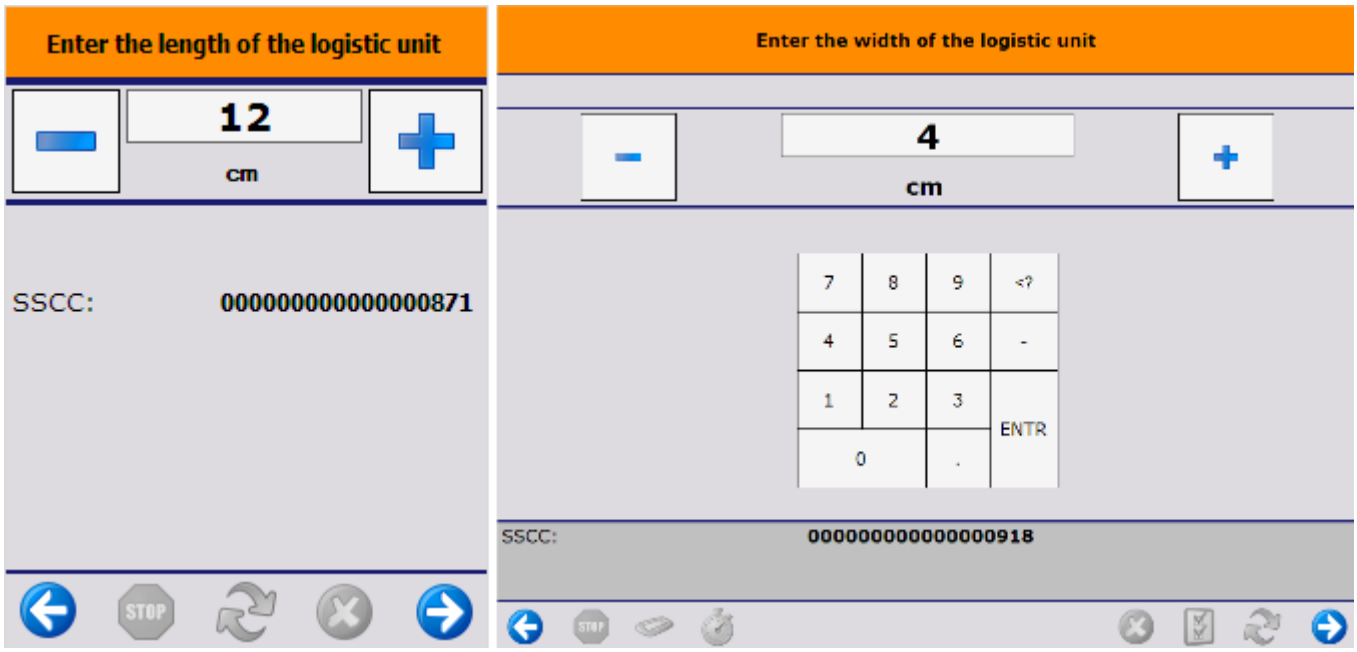


When the `Enter dimensions manually` button is tapped or there are no package dimensions defined, the user has to enter the dimensions manually.

- 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.

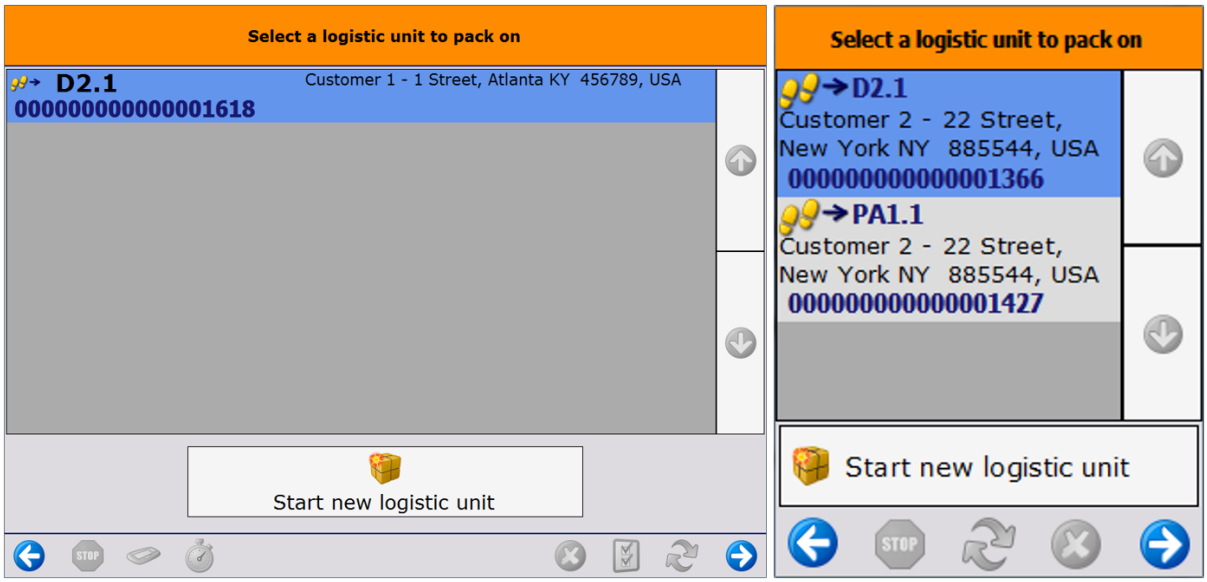
- If the *Ask height?/ Ask height Sub SSCC?* option is enabled for the pick list type, the user has to enter the height of the (sub) logistic unit after the it is finished.

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.

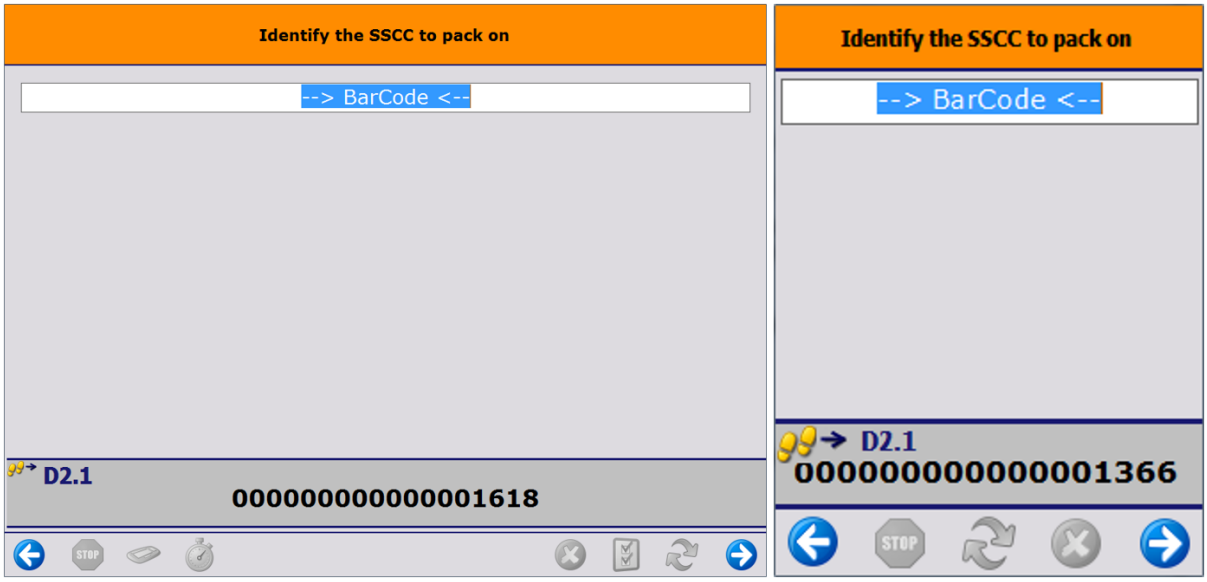


7. Restarting the flow

The flow can be continued after it has been stopped. 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.



8. 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.