

Pre-Packing List (DPL) Builder

User Manual — for factory & shipping staff · Version 2.1 · August 2026

<https://tradenote.kr/dpl-builder/>

Free web tool · No login · Works in Chrome / Edge · Your data stays in your browser only (nothing is uploaded to any server)

1. What This Tool Does

This tool builds a complete **Pre-Packing List (Pre-DPL)** from your color/size order quantities. You enter the order breakdown and the packing rules. The tool then does the rest automatically:

- Assigns full cartons size by size, and packs the leftover quantity into **MIXED cartons**
- Numbers all cartons continuously (CTN 1 ~ N)
- Calculates PCS/CTN, TTL PCS, N.W, G.W and CBM for every row and every total
- Builds the **SIZE BREAKDOWN** tables
- Exports a standard **Excel Packing List** — and can re-open that Excel file later for editing
- Sends the carton list to the **3D container loading simulator** with one click (🚢 button)
- Supports **multi-color cartons** — several colors packed in the same carton range (see section 5)

The tool itself is fully in English. Only the surrounding website menu is in Korean — you can switch the whole site to English with the language selector at the bottom-left corner of the page.

2. Packing Types — SOLID / ASSORT / MIXED

Every carton row has a packing type. The tool sets it automatically, and you can change it per row with the dropdown in the carton list.

Type	Definition	Automatic rule
SOLID	One color + one size per carton	Row has only one size column filled
ASSORT	One color + a fixed ratio of sizes repeated in every carton (planned pre-pack, e.g. S:M:L:XL = 1:2:2:1)	Row has 2+ sizes and 2 or more cartons repeat the same ratio
MIXED	Everything else — multiple colors in one carton, or leftover quantities of several sizes with no fixed ratio	Row has 2+ sizes but only 1 carton, or the color name contains a mix mark (&, /, +, MIX)

💡 ASSORT and MIXED can look similar. If the automatic type is wrong for your case, just change it with the dropdown — your choice is kept, also in the Excel file.

3. Quick Start — 6 Steps

1 Basic Info

Enter company name (shipper), address, S/C No., description, fabric composition, STYLE# and date. Select the **PACK type** (1 = single pcs, 2 PACK, 3 PACK...) and enter the carton dimensions L × W × H in cm. Company name and address are remembered by your browser for next time.

2 Color × Size Quantity (PCS)

Fastest way: open your order sheet in Excel, copy the color × size quantity table, click any cell of the quantity table in the tool and press **Ctrl+V**. Colors, sizes and quantities are filled automatically (a header row with size names is detected, TOTAL rows/columns are ignored). You can also type the sizes (comma-separated) and quantities manually.

3 Packing Rules per Size

For each size enter: **PACK/CTN** (how many packs go into one carton — PCS/CTN is calculated automatically), **N.W/CTN** and **G.W/CTN** in kg.

4 Press Generate Cartons

The tool creates all carton rows: full SOLID cartons per size, then the remaining pieces of each color grouped into MIXED cartons. Carton numbers run continuously across all colors. Tick "**Merge leftover colors**" next to the button to combine the leftovers of several colors into shared multi-color cartons — this minimizes the carton count.

⚠ If the carton list already has rows, a confirmation panel appears with three choices: **replace all** (discard existing rows and regenerate) / **keep existing + generate only the remaining quantity** (new cartons continue after the last carton number) / **cancel**. This protects rows you entered or edited by hand.

5 Review & Edit the Carton List

Every cell is editable — quantities, weights, dimensions, colors, carton ranges and the SOLID/ASSORT/MIXED type. Totals, CBM and the breakdown update instantly. The weight of MIXED cartons is an estimate; replace it with the actual scale weight. Use  **+ Add Row** for extra cartons and  **Renumber** to fix carton numbers after changes.

6 Download Excel / Send to Load Simulator

 **Download Excel** creates `PRE_PACKING_LIST_...xlsx` in standard Packing List format — send it to the buyer / forwarder, or keep it as your working file.  **Load Simulation** sends the carton list directly to the 3D container loading simulator in a new tab — no file needed; press its Calculate button to see how the cartons fit into a 20DC~45HQ container.

Multiple styles: use the **+ Style** tab button. Each style becomes a separate sheet in the same Excel file, with an ALL-STYLES grand total on the first sheet.

4. Screen Reference

Section 1 — Basic Info

Field	Meaning
Company Name (SHIPPER)	Company name printed at the top of the Packing List
Address	Company address
S/C No.	Sales contract number
DESCRIPTION / FABRIC COMPOSITION	Goods description and fabric content
STYLE# (Sheet Name)	Style number — also used as the Excel sheet name and the tab name
Order Qty (PCS)	Ordered quantity. Ship Qty is calculated from the cartons; the difference (+/-) is shown in the summary
PACK Type	Pieces per pack: 1 = loose pcs, 2 PACK, 3 PACK... $PCS/CTN = PACK/CTN \times$ this number
Carton L / W / H (cm)	Default carton dimensions used when generating cartons — editable per row afterwards
Delete This Style	Delete the current style tab

Section 2 — Color × Size Quantity

- **Sizes** = size range, comma-separated (example: 95, 100, 105, 110, 115 or S, M, L, XL)
- **+ Add Color** = add color row · **×** = delete color row
- All quantities are in **PCS**. If a quantity is not a multiple of the pack size, the tool shows a warning.

Section 3 — Packing Rules per Size

- **PACK / CTN** — packs per carton for that size (SOLID carton standard)
- **PCS / CTN (auto)** — calculated: $PACK/CTN \times$ pack size
- **N.W / CTN, G.W / CTN** — net / gross weight of one SOLID carton of that size, in kg
- **"Merge leftover colors" checkbox** — when ticked, Generate Cartons packs the leftover quantities of different colors together into shared multi-color cartons instead of one leftover carton per color

Section 4 — Carton List

- Columns: CTN FROM ~ TO, COLOR, Type, quantity per size *per one carton*, then calculated CTN QTY, PCS/CTN, TTL PCS, TTL N.W, TTL G.W, CBM.

- Rows are grouped into blocks by **color + type**. Each block shows a subtotal line (e.g. *WHITE · SOLID*). The G/TOTAL line is at the bottom.
- Each row has a blue **+** button — it adds a **color line** to the same carton range (see Multi-Color Cartons below) — and a red **×** button to delete the row.
- Badge **✓ Quantities match** (green) = carton quantities match the order matrix exactly. A red badge lists every difference (which color/size is short or over), plus warnings for broken carton numbering or partially overlapping ranges — fix these before sending the DPL.

Section 5 — Summary (SIZE BREAKDOWN)

- Separate breakdown tables per packing type: **SOLID / ASSORT / MIXED SIZE BREAKDOWN (PCS)** — only the types that exist are shown — plus **TOTAL SIZE BREAKDOWN (PCS)**.
- Below the tables: Ship Qty vs Order Qty with the +/- difference, carton composition by type, and the all-styles grand total.

5. Multi-Color Cartons

When one carton contains more than one color, write it as **several lines sharing the same CTN FROM ~ TO range** — the standard way it is written on real packing lists. The tool treats all lines with an identical range as **one physical carton group**.

- **How to make one:** press the blue **+** button on a carton row. A new line with the same range is added below — enter its color and quantities. You can add as many color lines as needed.
- **What each line holds:** the color and its pieces per carton, plus its share of the weight. The **first line** carries the carton range, carton dimensions and CBM for the whole group; the following lines show CTN QTY as *〃* and CBM as *–* so nothing is counted twice.
- **Type:** a multi-color group is always classified **MIXED** automatically (shown as a red badge instead of the dropdown).
- **Totals:** carton count and CBM are counted once per group; pieces and weights are summed across all lines — so G/TOTAL, subtotals and the SIZE BREAKDOWN stay exact per color.
- **Excel:** the file shows the range, carton count, dimensions and CBM on the first line only; continuation lines have an empty CTN NO. column — the standard layout. Uploaded files written this way are recognized the same way.
- **Caution:** ranges must be *completely identical* to form a group. Partially overlapping ranges (e.g. 1~3 and 2~4) are flagged as an error.

6. Excel Download & Re-Upload

- The downloaded file is a normal **.xlsx** with the standard layout: header block, carton table in color/type blocks with TOTAL lines, G/TOTAL, and the SIZE BREAKDOWN sections. Column E shows SOLID / ASSORT / MIXED for every row.

- **To continue editing later:** open the tool, press [Upload DPL](#) and select the downloaded file. It is restored 100% exactly — including your manual type selections. This works because the file carries a hidden data sheet; do not delete the hidden sheet `_TNDPL`.
- **Other DPL formats:** Excel files from other templates are recognized automatically if they contain a table with a `CTN NO.` header. The tool rebuilds the quantity matrix and packing rules from the carton rows — check the result before using it.
- The finished DPL can also go to the **3D container loading simulator** (<https://tradenote.kr/load-calculator/>) — fastest way is the  **Load Simulation** button, which transfers the carton list directly without any file; uploading the downloaded Excel there works too.

7. Good To Know

 **Auto-save:** your work is saved in the browser automatically. If you close the page or refresh, everything is still there. Press Reset to start fresh.

⚠ The browser save is only on **that computer + that browser**. To move work to another PC or to keep a permanent record, download the Excel file. The Excel file is the master copy.

⚠ MIXED carton weights are estimated from the per-size carton weights. Always replace them with actual weighed values before final submission.

 Nothing you type is sent to any server. All calculation happens inside your browser. It is safe to use with confidential order data.

8. FAQ

Q. The Generate button made the wrong mixed cartons.

Edit the rows directly — change quantities, split a row with + Add row, delete with ×, then press Renumber. The totals always follow your edits.

Q. We pack in ratio pre-packs (ASSORT). Can the tool generate them?

Auto-generation currently creates SOLID + MIXED cartons. For ASSORT, add the rows manually (enter the per-carton ratio in the size columns and the carton range), and set the type to ASSORT. The totals and breakdowns handle ASSORT correctly.

Q. I entered some cartons by hand. Will Generate Cartons erase them?

No — if the list is not empty, the tool asks first. Choose "keep existing + generate remaining" and it only creates cartons for the quantity not yet assigned, continuing the carton numbers after your rows.

Q. One carton has two colors. How do I enter it?

Use the + button on the row to add a color line with the same carton range — see section 5 (Multi-Color

Cartons). Enter each color's quantity on its own line; the tool counts the carton itself only once.

Q. Can two styles go in one Excel file?

Yes. Add style tabs with the **+ Style** button. Each style = one sheet. The first sheet gets an ALL STYLES grand total.

Q. Which browser should we use?

Chrome or Edge on PC is recommended. The paste function needs a keyboard (Ctrl+V), so use a PC, not a phone.