

Cape Pack 24.03

includes 2349, 2403 & 2409 Cloud releases

What's New

March 2024

Cape Pack – 24.03

- Cape Pack is as a SaaS version that runs ‘end-to-end’ in the cloud
- Most features from **legacy** Cape Pack **Pallet** Group, **Arrange** Group, **Design** Group and **Folding Carton Arrange (FCA)** are available on the cloud
- Cape Pack Subscription enables access to the cloud and the desktop versions
- Subscription users can work **exclusively on the cloud** *(no desktop software needed)*
 - Pallet loading, Arrange product in cases, resizing primary products, folded cartons in cases, load formatting, reporting and more
- Advanced features *(the few not yet available on the cloud)* are available on the desktop
 - Solutions can be uploaded/saved to the cloud for viewing and sharing

Cape Pack
Subscription



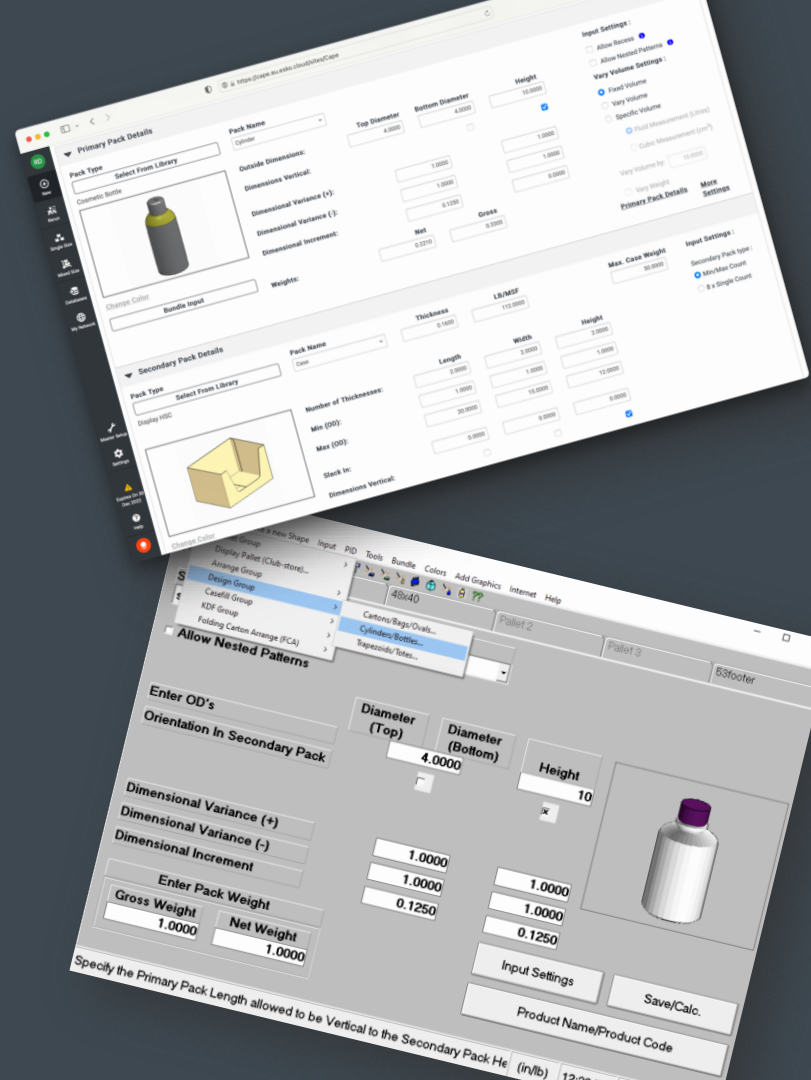
same subscription works
for both desktop and cloud



Cape Pack
Cloud edition

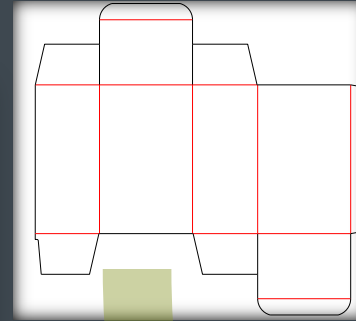


Cape Pack
Desktop edition

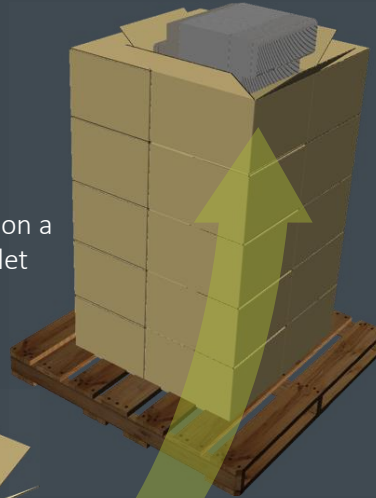


Pack Folded Cartons

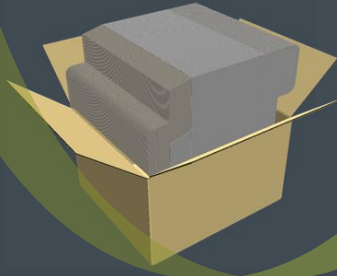
Automatic calculation of ideal **stock** corrugated case for folding carton packaging



stack on a pallet



arrange in bundles in a case



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Choose Analysis Type: Pack Folded Cartons

Product Name*: Chocolate truffles | Customer: The Candy Store

Product Code: SKU 2403-850A | Project Name: RIDR-2403-F21

Visibility: Shared | Default Settings | Imperial (in/lb)

Folded Carton Details

Workflow List: Fixed Case Size

Folded Carton Dimensions: Length: 7.0000 | Width: 4.0000 | Thickness 1: 0.0625

Fluff Factor: 0 % | Weight: 0.0025 | Thickness 2: 0.1250

Dimensions Vertical: Bundle Counts: Min: 12 | Max: 48

Input Settings: Bundle Count Type: Min/Max Count | 8 x Single Count

Fill Restrictions

Case Restrictions: Max. Weight: 50.0000 | Min. Fill Efficiency: 0.0000 %

Dimension Vertical on Pallet: Length | Width | Height

Case Count Type: Min/Max | 8 x Single

Folded Cartons per Case: Minimum: 100 | Maximum: 200

Select a Database: Total Number of Record = 19

Rec. No	Pack Name	Pack Type	Case/Tray (ID)			Tray Wall Height	Case/Tray (OD)				Mat. Weight		
			Length	Width	Height		Length	Width	Height	Volume			
<input checked="" type="checkbox"/>	1	Case 1000	Case	14.2500	8.7500	10.7500	-	in/lb	15.0000	9.0000	11.0000	0.7757	1.0000
<input checked="" type="checkbox"/>	2	Case 1001	Case	14.2500	10.0000	6.0000	-	in/lb	14.7500	10.5000	6.7500	0.4948	1.0000
<input checked="" type="checkbox"/>	3	Case 1002	Case	15.0000	9.4000	5.6000	-	in/lb	15.2000	9.6000	6.0000	0.4569	0.2500
<input checked="" type="checkbox"/>	4	Case 1003	Case	16.0000	12.0000	10.0000	-	in/lb	16.0000	12.0000	10.0000	1.1111	1.0000
<input checked="" type="checkbox"/>	5	Case 1004	Case	19.8750	14.5000	12.8750	-	in/lb	20.1770	14.8020	13.4790	2.1472	1.0000
<input checked="" type="checkbox"/>	6	Case 1005	Case	23.0000	17.0000	7.0000	-	in/lb	23.5000	17.5000	7.5000	1.5839	1.0000

Automate: *Filling Stock Cases*

evaluating the use of **existing stock** cases for folding cartons

▼ Fill Restrictions

Case Restrictions

Max. Weight Min. Fill Efficiency %

Select Pattern Types To Use ¹

Simple Medium Complex

Case Count Type

Min/Max 8 x Single Fill to Max Cube

Enter Min/Max Case Count:

Minimum Maximum

Allow Multi-Dimensional Solutions
 Allow Maximizer Solutions

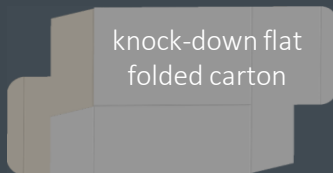
Select a Database

Total Number of Record = 19

Rec. No	Pack Name	Pack Type	Case/Tray (ID)			Tray Wall Height	Units	Case/Tray (OD)			Mat. Weight		
			Length	Width	Height			Length	Width	Height		Volume	
<input checked="" type="checkbox"/>	1	Case 1000	Case	14.2500	8.7500	10.7500	0.0000	in/lb	15.0000	9.0000	11.0000	0.7757	1.0000
<input checked="" type="checkbox"/>	2	Case 1001	Case	14.2500	10.0000	6.0000	0.0000	in/lb	14.7500	10.5000	6.7500	0.4948	1.0000
<input checked="" type="checkbox"/>	3	Case 1002	Case	15.0000	9.4000	5.6000	0.0000	in/lb	15.2000	9.6000	6.0000	0.4569	0.2500
<input checked="" type="checkbox"/>	4	Case 1003	Case	16.0000	12.0000	10.0000	0.0000	in/lb	16.0000	12.0000	10.0000	1.1111	1.0000
<input checked="" type="checkbox"/>	5	Case 1004	Case	19.8750	14.5000	12.8750	0.0000	in/lb	20.1770	14.8020	13.4790	2.1472	1.0000
<input type="checkbox"/>	6	Case 1005	Case	23.0000	17.0000	7.0000	0.0000	in/lb	23.5000	17.5000	7.5000	1.5839	1.0000

◀ Page 1 of 2 ▶

Show Entries [More Settings](#)



Pack Folded Cartons

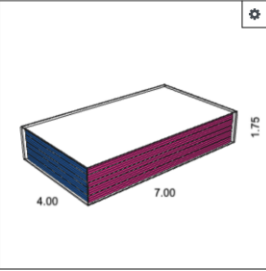
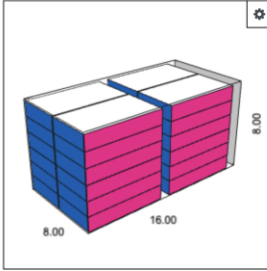
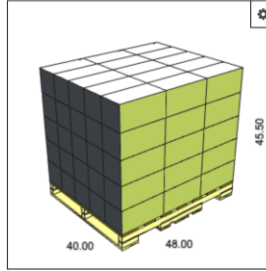
Calculate multiple solutions for:

- bundle counts
- case counts
- stock cases
- pallet load

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Solution Report

Click on **View Report** to Save your Current Analysis and Solution, and open the Report Builder page.
Click on **Save Analysis/Solution** to save your analysis and continue to work on current or new solutions. You can save multiple solutions for any analysis.

Quick Report

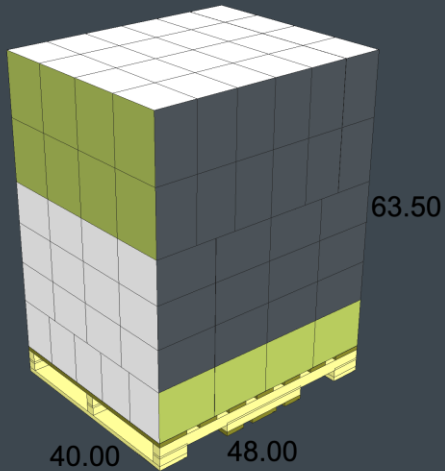
Product Length	48.0000	15	Per Layer
Product Width	40.0000	5	Layers
Product Height	40.0000	75	Case 1006/Load
Solution Number	1 C	14	Folded Carton/Bundle
Area Used	100.0%	336	Folded Carton/Case 1006
Cube Used	89.9%	25200	Folded Carton/Load
Case Cube	86.1%		

Solution **1** of 85 Pattern: Column | 25200 [View Report](#) [Save Analysis/Solution](#)

Solution ID	Record No	Pack Name	Bundle (OD)			SP/Layer	Number of Layers	Bundle/ SP	PP/ Bundle	PP Per SP	PP Per Load	Secondary Pack (OD)			Pattern Type	Cube Efficiency	Area Efficiency
			Length	Width	Height							Length	Width	Height			
1	7	Case 1006	7.0000	4.0000	1.7500	15	5	24	14	336	25200	16.0000	8.0000	8.0000	Multiple	89.9	100.0
2	7	Case 1006	7.0000	4.0000	1.7500	15	5	24	14	336	25200	16.0000	8.0000	8.0000	Multiple	89.9	100.0
3	7	Case 1006	7.0000	4.0000	2.6250	15	5	16	21	336	25200	16.0000	8.0000	8.0000	Multiple	89.9	100.0
4	7	Case 1006	7.0000	4.0000	2.6250	15	5	16	21	336	25200	16.0000	8.0000	8.0000	Multiple	89.9	100.0
5	7	Case 1006	7.0000	4.0000	5.2500	15	5	8	42	336	25200	16.0000	8.0000	8.0000	Multiple	89.9	100.0
6	3	Case 1002	7.0000	4.0000	3.6250	13	7	8	29	232	21112	15.2000	9.6000	6.0000	Interlock	93.2	98.8
7	1	Case 1000	7.0000	4.0000	2.5000	13	4	20	20	400	20800	15.0000	9.0000	11.0000	Multiple	90.4	91.4
8	1	Case 1000	7.0000	4.0000	3.1250	13	4	16	25	400	20800	15.0000	9.0000	11.0000	Multiple	90.4	91.4
9	1	Case 1000	7.0000	4.0000	6.2500	13	4	8	50	400	20800	15.0000	9.0000	11.0000	Multiple	90.4	91.4
10	1	Case 1000	7.0000	4.0000	4.1250	13	4	12	33	396	20592	15.0000	9.0000	11.0000	Multiple	90.4	91.4
11	3	Case 1002	7.0000	4.0000	1.7500	13	7	16	14	224	20384	15.2000	9.6000	6.0000	Interlock	93.2	98.8

Multi Dimensional Analysis for Pallet Loads

- Optimize pallet loads by **up to 20%** to get more product per load
- Calculate solutions with layers including multiple dimensions vertical to the pallet



Multi Dimensional Analysis

Original Number Per Load: **96**
Maximum Load Weight: **2000.00 lb**
Maximum Load Height: **65.00 in**

Sol. No.	Number Per Load	Improvement %	Change %	Dim. Vertical	Cube Eff.	Load Height	Load Weight
1	116	20	20.8	L W H	97.5	63.50	913.39
2	116	20	20.8	L W H	97.5	63.50	913.39
3	116	20	20.8	L W	97.5	63.50	913.39
4	116	20	20.8	L W	97.5	63.50	913.39
5	112	16	16.7	W H	94.1	61.50	883.62
6	112	16	16.7	W H	94.1	61.50	883.62
7	112	16	16.7	L W	94.1	61.50	883.62
8	108	12.5	12.5	L W	90.8	59.50	853.84
9	104	8.3	8.3	L W	87.4	57.50	824.07
10	100	4.2	4.2	L W	84.0	55.50	794.30

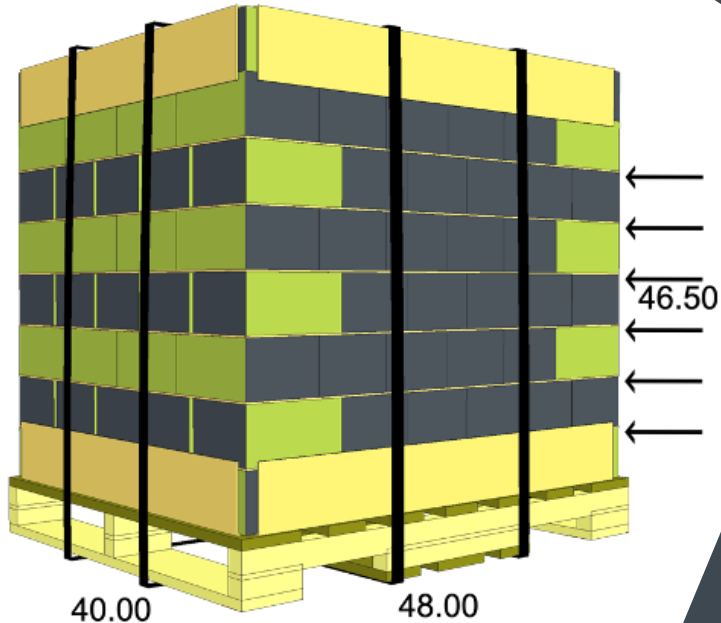
Showing Solution 1 of 10

Cancel Save

Solution Number: 1 C
Area Used: 100.0%
Cube Used: 80.7%

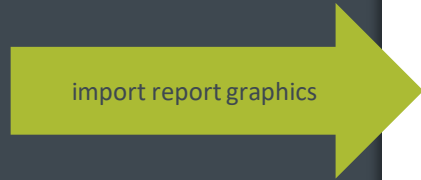
Multi Dimensional Analysis View Report Save Analysis/Solution

Layer Pad Indicators



- Show arrows to indicate layer pads
- Improve communication on load formatting
- Automatically enabled when layer pads are added to the pallet load

Save Reports and Graphics to JPG



My Own Custom Document 

This is how the pallet load should be stacked.



share with other stakeholders

Share Report ▼

- [Save Current](#)
- [Upload Solution](#)
- [Update Analysis](#)
- [Open Input Data](#)

Print Solution
Send Saved Solution
Download Solution as PDF
Download Solution as JPG
Download Graphics as JPG
Share & Approve



API Driven Workflow



Quick Report

Product Length	42.7513	7	Per Layer
Product Width	36.7520	2	Layers
Product Height	30.6250	14	[Name_from_API]/Load
Solution Number	11		
Area Used	81.5%		
Cube Used	56.1%		

Solution Options Table

Solution ID	Pattern Type	SP Per Load	SP Per Layer	Number of Layers	Dimen Vert	Cube Efficiency	Area Efficiency	Product Length	Product Width	Product Height	Product Weight
1	Interlock	14	7	2		56.1	81.5	42.7513	36.7520	30.6250	104.2020
2	Column	12	6	2		48.1	69.9	36.7520	36.5000	30.6250	89.3160
3	Trilock	12	6	2		48.1	69.9	42.7513	36.7520	30.6250	89.3160
4	Trilock	12	6	2		48.1	69.9	42.7513	36.5000	30.6250	89.3160

- Send input data, auto-calculate, return selected results*
- Simple way to integrate into other ERP/MIS/WMS systems
- Accessible via a documented API

*example provided via Excel spreadsheet

External Interface Examples

The screenshot shows a web browser window at cape.us.esko.cloud. The left sidebar contains a 'Databases' menu item, which is highlighted with a red box. The main content area is titled 'External Interface Examples' and contains a table with three rows. The 'Action' column of this table is highlighted with a red box. A green arrow points from the 'Action' column to the text 'download examples'.

No.	Name	Description	Action
1	runCapeCloud.zip	An implementation Excel spreadsheet example, how to setup your interface with Cape Pack Cloud.	
2	Send Strength Data to Cape Cloud.xls	An Excel spreadsheet example of transferring your Strength databases to Cape Pack Cloud.	
3	TransferMyCasesTrays2EskoCloud.xlsm	An Excel example of how to transfer your Stock Databases to Cape Pack Cloud.	

- Download External Interface examples from the "Databases" menu
- Send CaseFill database from Excel to Esko Cloud as Stock Database

Additional Features

- Ability to change the filename when downloading reports and graphics
- Format Loading for Multi-dimensional loads
- Extended "Fill Master Pallet Base" to include Multi-dimensional loads
- Ability to edit databases for stock cases
- Ability to cancel the database import processes



Thank you