The visualizer

User guide
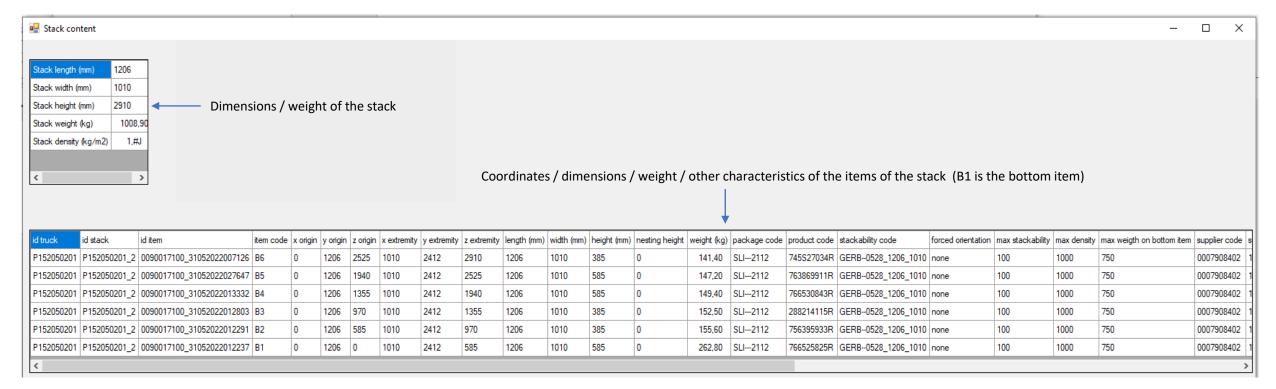
V1.0

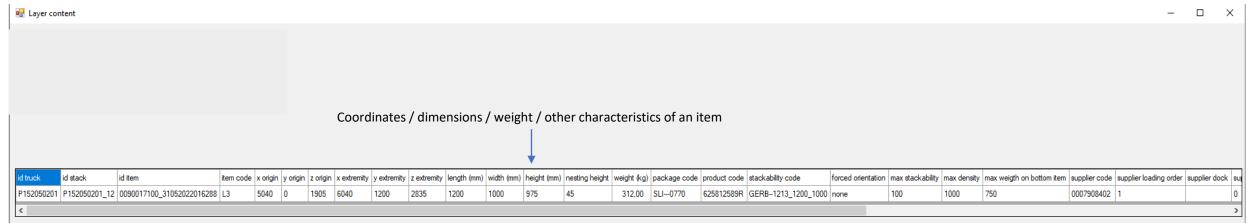# 04/07/2022

Functionalities of the main screen

To list the items of the truck

Characteristics of the truck (from input and output trucks files)

CHALLENGE ROADEF V1.0 04/07/2022

Bin content

Plant code	Arrival time	length	width	height	max weight	loaded length	weight of loaded items	volume of loaded items	weight on middle axle	weight on rear axle
0090017100	202206011105	13500	2440	3000	25000	12020	24440,65	62,48	13027,65	19312,79

You can type the truck-id, then SELECT

The front of the truck

P152050201

Select

The list of truck-id

P152050201
Q152050201_1
P152050305
P152050501
P152050615

Right view

Double-click on a box to display the content of a stack

Display help

To zoom in/out the 3 views

Zoom +   Zoom -

☑ Resize
☑ Codes display

3D view

3D Display

Top view

Each box is an item

List of criteria for colors

legende affichage

Supplier dock

(0)

Each box is a stack

If the criteria is a dock or a supplier, the number is the dock loading order or the supplier loading order

Left view

Double-click on a box to display the content of a stack

Gray area : the items are displayed on the view of the other side (in this case, right view)

Display the content of a stack (double-click on a box in the top view)

Stack content   — □ ✕

Stack length (mm)	1206
Stack width (mm)	1010
Stack height (mm)	2910
Stack weight (kg)	1008,90
Stack density (kg/m2)	1,#J

← Dimensions / weight of the stack

Coordinates / dimensions / weight / other characteristics of the items of the stack (B1 is the bottom item)

id truck	id stack	id item	item code	x origin	y origin	z origin	x extremity	y extremity	z extremity	length (mm)	width (mm)	height (mm)	nesting height	weight (kg)	package code	product code	stackability code	forced orientation	max stackability	max density	max weigth on bottom item	supplier code	s
P152050201	P152050201_2	0090017100_31052022007126	B6	0	1206	2525	1010	2412	2910	1206	1010	385	0	141,40	SLI--2112	745S27034R	GERB--0528_1206_1010	none	100	1000	750	0007908402	1
P152050201	P152050201_2	0090017100_31052022027647	B5	0	1206	1940	1010	2412	2525	1206	1010	585	0	147,20	SLI--2112	763869911R	GERB--0528_1206_1010	none	100	1000	750	0007908402	1
P152050201	P152050201_2	0090017100_31052022013332	B4	0	1206	1355	1010	2412	1940	1206	1010	585	0	149,40	SLI--2112	766530843R	GERB--0528_1206_1010	none	100	1000	750	0007908402	1
P152050201	P152050201_2	0090017100_31052022012803	B3	0	1206	970	1010	2412	1355	1206	1010	385	0	152,50	SLI--2112	288214115R	GERB--0528_1206_1010	none	100	1000	750	0007908402	1
P152050201	P152050201_2	0090017100_31052022012291	B2	0	1206	585	1010	2412	970	1206	1010	385	0	155,60	SLI--2112	756395933R	GERB--0528_1206_1010	none	100	1000	750	0007908402	1
P152050201	P152050201_2	0090017100_31052022012237	B1	0	1206	0	1010	2412	585	1206	1010	585	0	262,80	SLI--2112	766525825R	GERB--0528_1206_1010	none	100	1000	750	0007908402	1

Display the content of an item (double-click on a box in the left or right view)

Layer content   — □ ✕

Coordinates / dimensions / weight / other characteristics of an item

id truck	id stack	id item	item code	x origin	y origin	z origin	x extremity	y extremity	z extremity	length (mm)	width (mm)	height (mm)	nesting height	weight (kg)	package code	product code	stackability code	forced orientation	max stackability	max density	max weigth on bottom item	supplier code	supplier loading order	supplier dock	su
P152050201	P152050201_12	0090017100_31052022016288	L3	5040	0	1905	6040	1200	2835	1200	1000	975	45	312,00	SLI--0770	625812589R	GERB--1213_1200_1000	none	100	1000	750	0007908402	1		0

3D display

3D Display

X

+	++

Y

+	++

Z

+	++

draw + ← To add deleted items

draw - ← To delete items, starting from the rear of the truck

clean draw

fill draw

Zoom +   Zoom - ← To zoom in/out the the view

☐ Resize

back to center

reset angles

To rotate the view on an axis

Double-click on a box to display the content of an item

Display the items of the truck

Bin content

Coordinates / dimensions / weight / other characteristics of the items of the truck
items are ordered by stack from the front to the rear of the truck, and for each stack, items are ordered from the bottom to the top

Bin content (P152050201)

id truck	id stack	id item	item code	x origin	y origin	z origin	x extremity	y extremity	z extremity	length (mm)	width (mm)	height (mm)	nesting height	weight (kg)	package code	product code	stackability code	forced orientation	max stackability	max density	max weigth on bottom item	supplier code
P152050201	P152050201_1	0090017100_31052022013684	A1	0	0	0	1010	1206	385	1206	1010	385	0	139.90	SLI---2112	751C46075R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_1	0090017100_31052022025248	A2	0	0	385	1010	1206	670	1206	1010	285	0	133.70	SLI---2112	792A80941R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_1	0090017100_31052022025178	A3	0	0	670	1010	1206	955	1206	1010	285	0	133.70	SLI---2112	792A93254R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_1	0090017100_31052022023765	A4	0	0	955	1010	1206	1340	1206	1010	385	0	94.75	SLI---2112	792680912R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_2	0090017100_31052022012237	B1	0	1206	0	1010	2412	585	1206	1010	585	0	262.80	SLI---2112	766525825R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_2	0090017100_31052022012291	B2	0	1206	585	1010	2412	970	1206	1010	385	0	155.60	SLI---2112	756395933R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_2	0090017100_31052022012803	B3	0	1206	970	1010	2412	1355	1206	1010	385	0	152.50	SLI---2112	288214115R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_2	0090017100_31052022013332	B4	0	1206	1355	1010	2412	1940	1206	1010	585	0	149.40	SLI---2112	766530843R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_2	0090017100_31052022027647	B5	0	1206	1940	1010	2412	2525	1206	1010	585	0	147.20	SLI---2112	763869911R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_2	0090017100_31052022007126	B6	0	1206	2525	1010	2412	2910	1206	1010	385	0	141.40	SLI---2112	745S27034R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_3	0090017100_31052022027052	C1	1010	0	0	2020	1206	1185	1206	1010	1185	0	661.90	SLI---2112	731980382R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_3	0090017100_31052022020628	C2	1010	0	1185	2020	1206	2370	1206	1010	1185	0	324.90	SLI---2112	755804042R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_3	0090017100_31052022029799	C3	1010	0	2370	2020	1206	2755	1206	1010	385	0	128.03	SLI---2112	766830166R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_4	0090017100_31052022011541	D1	1010	1206	0	2020	2412	1185	1206	1010	1185	0	583.65	SLI---2112	806741931R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_4	0090017100_31052022017591	D2	1010	1206	1185	2020	2412	2170	1206	1010	985	0	467.40	SLI---2112	489545258R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_4	0090017100_31052022009408	D3	1010	1206	2170	2020	2412	2555	1206	1010	385	0	73.70	SLI---2112	631496827R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_5	0090017100_31052022018475	E1	2020	0	0	3030	1206	1185	1206	1010	1185	0	651.65	SLI---2112	751269318R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_5	0090017100_31052022026433	E2	2020	0	1185	3030	1206	1970	1206	1010	785	0	377.90	SLI---2112	489556703R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_5	0090017100_31052022004077	E3	2020	0	1970	3030	1206	2355	1206	1010	385	0	102.20	SLI---2112	663747529R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_6	0090017100_31052022031066	F1	2020	1206	0	3030	2412	785	1206	1010	785	0	375.50	SLI---2112	625971480R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_6	0090017100_31052022018577	F2	2020	1206	785	3030	2412	1370	1206	1010	585	0	271.40	SLI---2112	804325233R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_6	0090017100_31052022012391	F3	2020	1206	1370	3030	2412	1955	1206	1010	585	0	271.40	SLI---2112	804329293R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_6	0090017100_31052022031742	F4	2020	1206	1955	3030	2412	2540	1206	1010	585	0	170.10	SLI---2112	792697028R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_6	0090017100_31052022019387	F5	2020	1206	2540	3030	2412	2925	1206	1010	385	0	64.65	SLI---2112	631485634R	GERB--0528_1206_1010	none	100	1000	750	0007908402
P152050201	P152050201_7	0090017100_31052022027052	G1	3030	0	0	4040	1206	1185	1206	1010	1185	0	661.90	SLI---2112	731980382R	GERB--0528_1206_1010	none	100	1000	750	0007908402