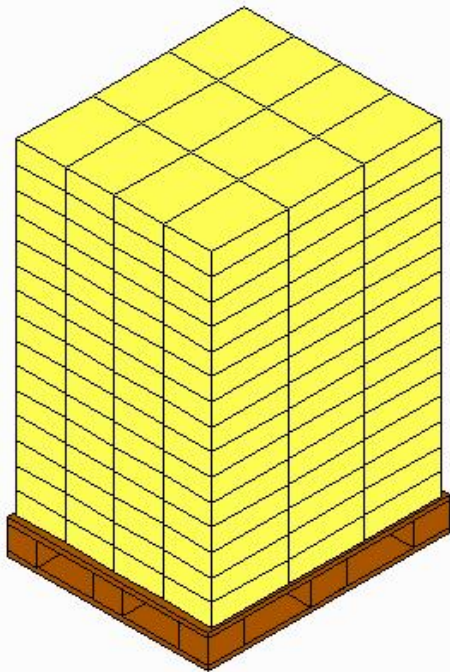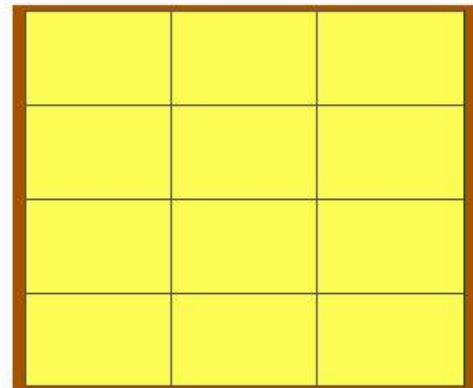# Yes – You can Do Better!

Recently a **PALLETMANAGER** User presented us with an example case design and asked us to confirm that they had indeed obtained the best palletisation solution possible. We were happy to oblige and in doing so showed how the **Do Better** feature of **PALLETMANAGER** could save them (and many other companies) tens of thousands of pounds / year on a single product line.

The case in question had external dimension of 378mm * 243mm * 108mm high and using Palletise mode they had indeed obtained the optimum solution on a 1200 * 1000 pallet (with 1640mm loading height available) of 15 layers of 12 as shown below:

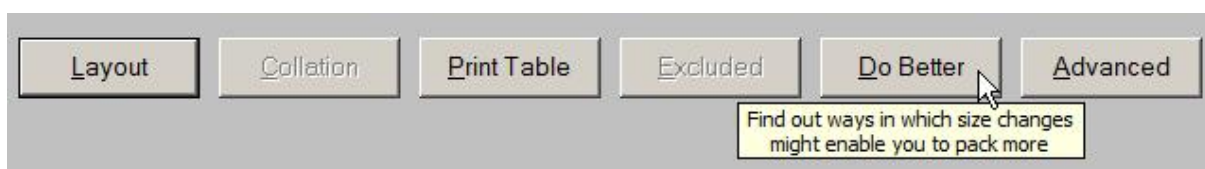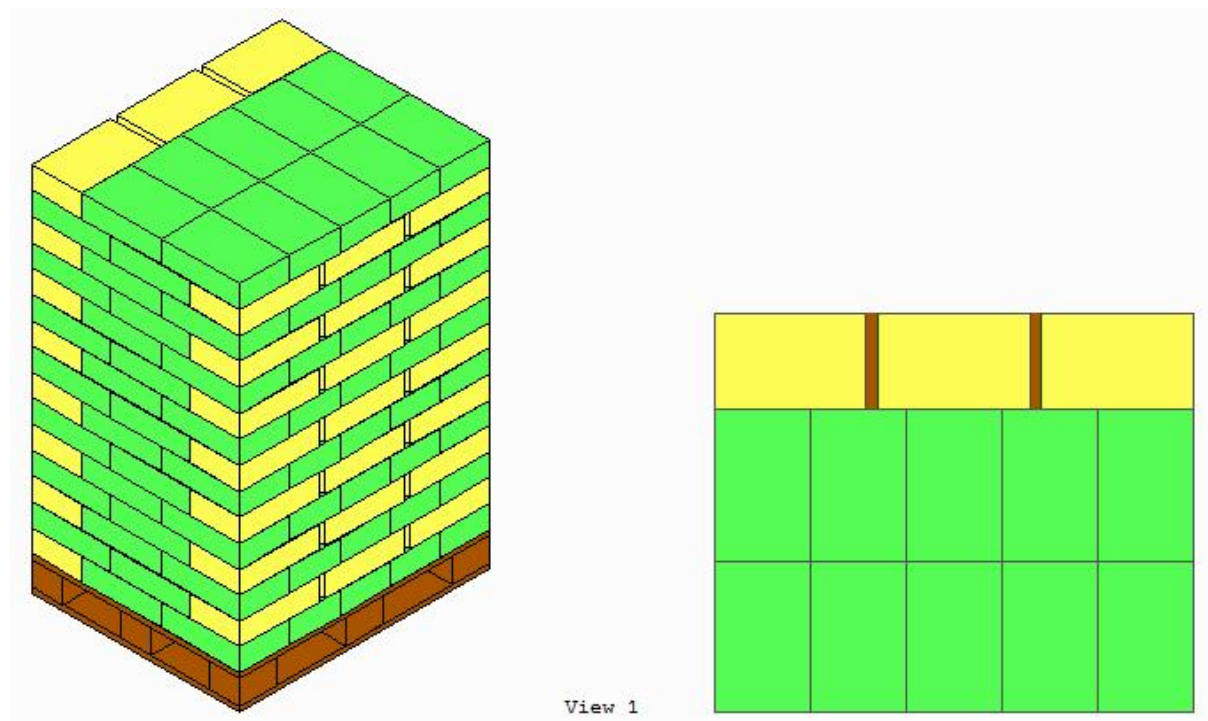| Ref No	Extnl Case Dimensions			Colln	CASE Matl	Wt.	TOTAL Cases	Layer	% Fill Area	Vol
1	378	243	108	N/A	N/A	0.0	180	15x 12	91	90

View 1

However they were naturally a little concerned that this only filled around 90% of the available loading space (the final column in the above table), especially as the case design in question was used for over 40% of their substantial product range.

One extremely powerful tool within PALLETMANAGER is the Do Better function, this being selected on the same screen (Screen 5) where the above table of results is displayed.

When selected PALLETMANAGER then examines what very similar case sizes would result in an improvement in number of cases / layer and for this example a case design just 3mm narrower yet 2mm longer allows an extra case per layer to be accommodated – an 8% improvement:

External Case Dimensions				Total Load		Utilisation	
Length	Width	Height	%Vol	Cases	Layers	Area	Vol
378.00	243.00	108.00	100.00	180	15x 12	91.9	90.7
380.00	240.00	108.00	99.29	195	15x 13	98.8	97.6

View 1

Thus by making just a 3mm change to case size an 8% saving in logistics and storage costs was obtained (on a very major product line), and in doing so a more stable pallet stack was also achieved, and tens of thousands of pounds of annual savings are being made.

Do Better is NOT restricted to just the palletisation of existing cases, it can be applied in the Collation mode of PALLETMANAGER to allow users to see what change in primary product size (or packaging allowances) would allow more product / pallet.

Do Better can at the click of a single button quickly show you how close you are to obtaining better solutions with often just a minor dimensional change. Obviously, if you are not already a PALLETMANAGER user you may well fit more / layer for your existing cases just by applying the standard PALLETMANAGER Palletise optimisation module, but Do Better would always be there to guide you on further improvements!

For more information see www.packyourpallet.com or contact us:
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