

## Why PALLETMANAGER is Better!

Whilst there are a number of quite good palletisation software products around, PALLETMANAGER does have major advantages in its ability to identify situations in which small dimensional changes can lead to significant savings. If your case is of a definite fixed size that you know in advance and cannot be changed (even by 1mm) then most of the quality software products should give the same palletisation result – though PALLETMANAGER may produce more possible layouts for a given case size.

However unlike any other products PALLETMANAGER will quickly tell you with a single mouse click – using **Do Better** – how close you are to fitting more on a layer and what dimensional changes are required to achieve this. In doing so it will produce up to 20 or more case sizes that are similar in volume terms – in some instances having a larger volume – yet fitting more on / pallet.

	External Case Dimensions				%Vol	Total Load		Utilisation	
	Length	Width	Height	Cases		Layers	Area	Vol	
0	378.00	243.00	108.00	100.00	180	15x 12	91.9	90.7	
2	389.88	220.23	108.00	93.48	195	15x 13	93.0	91.9	
3	380.00	240.00	108.00	99.29	195	15x 13	98.8	97.6	
4	355.00	245.00	108.00	94.69	195	15x 13	94.2	93.1	
5	350.00	250.00	108.00	95.26	195	15x 13	94.8	93.6	

**PALLETMANAGER** also has a mode **Fixed Volume** which goes a stage further:

In this mode the software takes the case size you have in mind together with the pallet load constraints applying (Length / Width and Load Height), and after determining the optimal way of packing a case of **exactly** the size you are considering it then examines how changes in case dimensions (within limits set by the user on case length, width and height) impact on pallet fill. These may be only changes of 1mm or less.

In doing so it examines many thousands of possible case sizes that **have the same internal volume** and comes up with suggestions as to other case dimensions which would fit more / pallet. It is therefore essentially stretching case length, width and height but in doing so keeping internal volume of the case the same and thus coming up with solutions that maximise pallet utilisation in all 3 dimensions. This mode was originally designed for those dealing with the packing liquids and powders, but it is equally applicable to other areas where the volume of the case rather than the precise dimensions are the main issue.

We should emphasize that both **Do Better** and **Fixed Volume** can be applied to the **product sizing itself** – thus one can use them to essentially design the product unit size so as to optimise the pallet utilisation of the same when eventually packed.