

# HIGH PERFORMANCE PALLETIZING

## Conveyor and Layer Gripper Combined "Simply"

### Layer Handling System **TheWave**

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#### Use and Application

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**TheWave** is a unique combination of a conveyor element with a layer gripper resulting in a machine that can take complete product layers arriving from the conveyor lane and – independent of product type and configuration – place them safely onto a pallet. **TheWave** can be used in all sectors of the consumer industry branch and for almost all products. Its compact design makes it possible – in contrast to the usual systems using fork or clamp grippers – to save enormously on floor space.

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#### Function

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The principle applied in **TheWave** is as simple as it is fascinating: Carried on the gentle wave of the conveyor belt the product is taken up by the split gripper apron. The four-sided compression aligns the layer formation exactly on all four sides. Positioned on the gripper apron and held in place by the compression unit the product layer is transported to the waiting pallet and gently placed onto it. It makes no difference if the layer pattern contains gaps or if full or half pallets are to be transported.

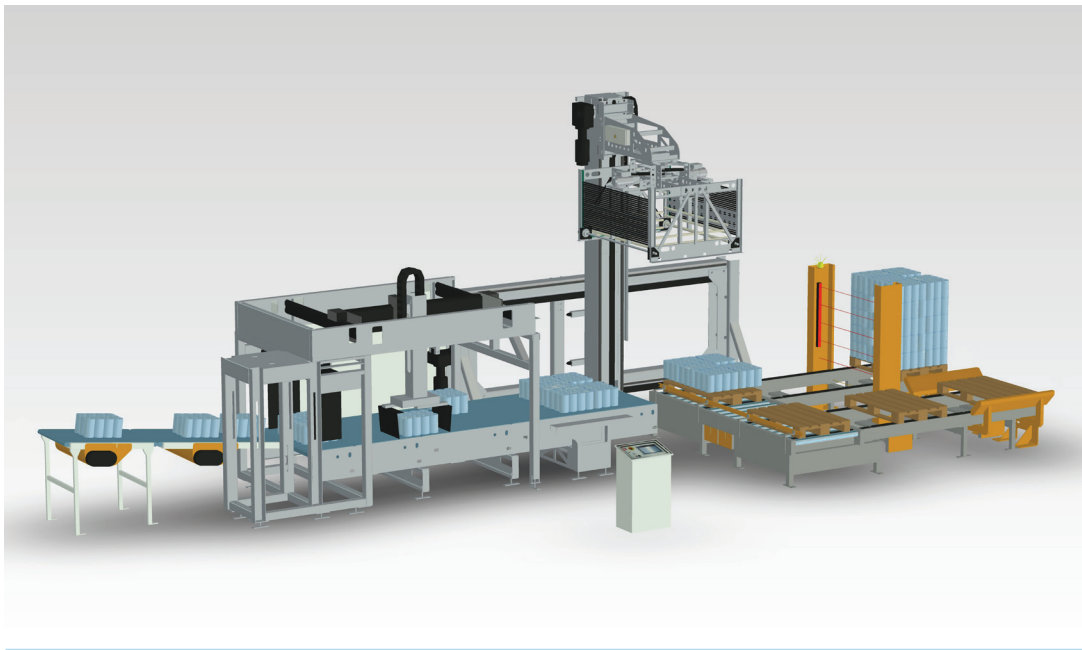
The standard clamp systems exert pressure on the product layer and require exchangeable format parts for layers including gaps. **TheWave** requires no such parts for configurations with gaps and positions the layer gently and without pressure.

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#### Advantages

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- Optimal use of space due to its compact design
- Reduction of the footprint by more than 40% in comparison to fork gripper systems
- Gentle handling of complete product layers
- Handling of a variety of pallet configurations with only one gripper
- Format parts are not required, thus reducing complexity and freeing warehouse space

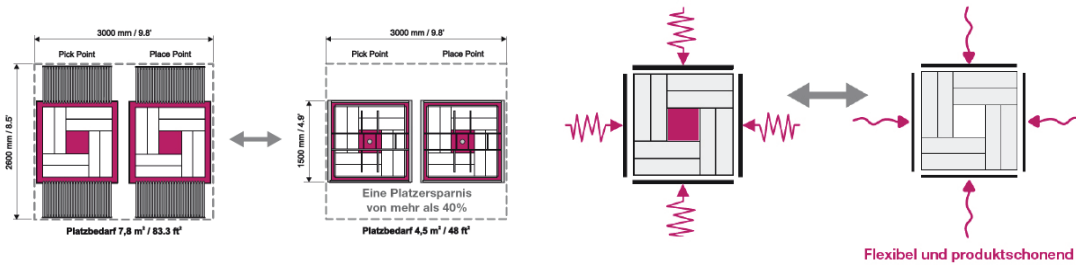


Fork Gripper

TheWave

Fork Gripper

TheWave



Type		TheWave	TheWave	TheWave
<b>Dimensions</b>				
Length	mm	1871	1800	2000
Width	mm	1620	1868	2068
Height	mm	1330	1330	1330
<b>Layer size</b>				
Min. footprint	mm	740 x 740	740 x 740	800 x 800
Max. footprint	mm	1000 x 1400	1400 x 1400	1600 x 1600
<b>Product height</b>				
Min. dimension	mm	100	100	100
Max. dimension	mm	600	600	600
<b>Layer weight</b>				
	kg	200	160	200
<b>Output depends on travel path</b>				
	Layers/min	4	4	4