

## PALLETIZER & DEPALLETIZER



To promote a good flow of your transport in the production process, a palletizer machine offers a solution.

The PDU is a mobile, collaborative palletizing and depalletizing unit developed by Steffens Roestvaststaal Techniek B.V.

Quick to install, easy to operate and safe to work with thanks to the intelligent safety systems.

### A number of benefits:

- **Reliability:**  
Maintenance is minimal due to the use of a cobot.
- **Construction**  
The machine is constructed from stainless steel and a steel-coated base frame.
- **Flexible to use**  
Due to the small footprint, the DVU is easy to move by using a pallet truck.
- **Small footprint**  
With a footprint of 2.25m by 1.35m, the unit can be used in many spaces.
- **Extensibility**  
The PDU can be expanded with an shim paper unit. And can also be provided with a conveyor belt.
- **Gripper**  
The grippers can be assembled according to the needs of the customer.
- **ROI**  
Faster return on investment.



The PDU1500 comes standard with:

- Basic frame made of steel (optional in stainless steel)
- Control box (stainless steel)
- **UR10**
- Robot gripper (choice of gripper type depends on the product)
- Teach Pendant
- Emergency stop
- Three push buttons
- Built-in pressure sensors for detecting pallets.



De PDU1500 can be upgraded to a PDU2200. The unit will be equipped with an external seventh axis, which increases the range in the vertical direction. With this option it is possible to stack up to a height of 2200mm.

Standard specifications		
	PDU1500	PDU2200
<b>Payload</b>	9kg	9kg
<b>Stack height</b>	1500mm	2200mm
<b>Power consumption</b>	500W	550W
<b>Repeat accuracy</b>	±0.03mm	±0.03mm
<b>Power supply</b>	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz
<b>Dimensions L x B x H*</b>	1350 x 900 x 1300mm**	1350 x 900 x 1300mm**
<b>Weight</b>	±300kg	±320kg

\* Dimensions are excluding pallets, box holders, transport lanes etc.

\*\* Retracted sizes.

