ASYS TECTON – Tray Handling and Transfer Systems
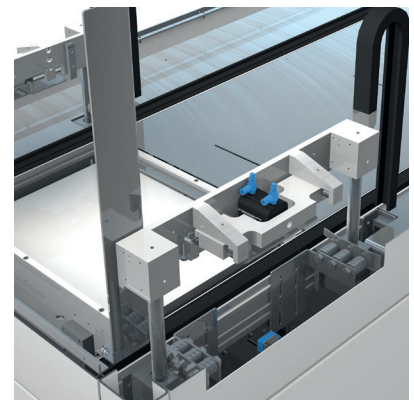
Tray Handling Systems

PARIO 500

Description

The PARIO 500 palletizing system is used for stacking and destacking of tray stacks and thus for orderly loading and unloading of trays in automated processes.

In combination with a process machine or integrated into a production line, tray stacks are loaded/unloaded at an ergonomic height. Depending on the desired layout, the PARIO 500 is available in a straight version (basic 0°) or an angled version (90°). The 0°-version also offers the option of width adjustment for mixed operation with multiple tray widths.
Usually, the PARIO 500 is used in pairs, one as loader and the other as unloader.

In addition to the two versions already mentioned, there are also versions for special logistics concepts such as the trolley. Here, the PARIO stacks or unstacks a tray stack on trolleys with height up to 1400mm. By a lift, which equalizes the different working heights, the PARIO 500 can also be loaded and unloaded with trays via an AIV.

Features

_ Electrical stacking and unstacking unit
_ Customized tray handling
_ Safety covers and safety doors
_ Microprocessor control with membrane keypad
  and LC display
_ Emergency stop interface or safety doors
_ Potential-free contacts to the customer
_ Can be used as loader and unloader
_ Intuitive operating concept
_ Low maintenance
_ ESD design

Options

_ Basic system PARIO 500 available in +/- 90° angled version
  with lift-cross module
_ Additional infeed/outfeed conveyor with additional tray stack
  autonomy
_ Tray position detection and forced separation
_ Version for trolley logistics concept
_ Lift interface for AIV
_ Electrical width adjustment for basic machine 0°
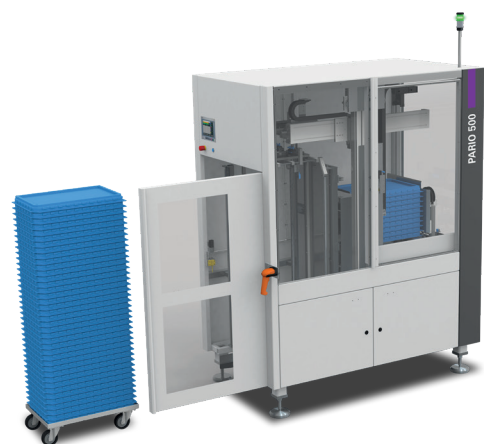
PARIO 500 for Trolley logistic

PARIO 500 - 90° variant
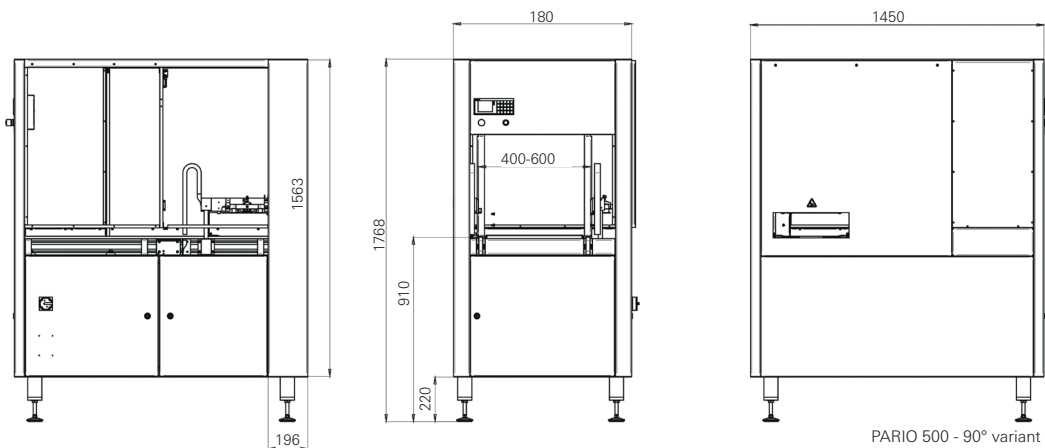
PARIO 500

	Basis 0°	90°
Basic machine configuration		
Manual loading and unloading height	910mm	910mm
Operating side	Left / Right	Left / Right
Trayformat		
Min. Traysize	200 x 200mm	200 x 350mm
Max. Traysize	400 x 600mm	400 x 600mm
Track width a)	200 - 400mm a)	350 - 600mm
Min. Tray height	20mm	20mm
Max. Tray hTexteight	40mm	40mm
Max. Tray weight	5kg	5kg
Max. Tray stack weight	40kg	40kg
Tray stacking height	bis 400mm	bis 400mm
Autonomy	2 Tray stacks	3 Tray stacks
Installation Requirements		
Power supply	230V / 50Hz	400V / 50Hz
Power supply system	1L + N + PE	3L + N + PE
Power consumption	1kW	1 kW
Air supply	6bar / 87psi	6 bar / 87 psi
Air consumption	min. 5 Nl/min	min. 5 Nl/min
Machine Description		
Length x Width x Height	1450 x 700 x 1790mm b)	1450 x 880 x 1790mm b)
Noise Level	< 72 dB(A)	< 72 dB(A)
Tray changing time	4,5 s	4,5 s
Netto weight	ca. 350kg	ca. 350kg
Tray dimensions		
Specifications in mm		
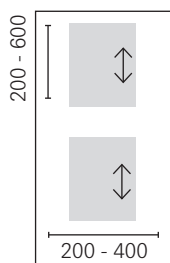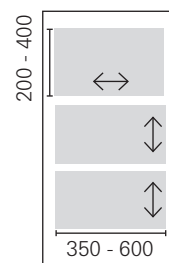
a) Option: electric width setting
b) Adapted to depaneling system

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