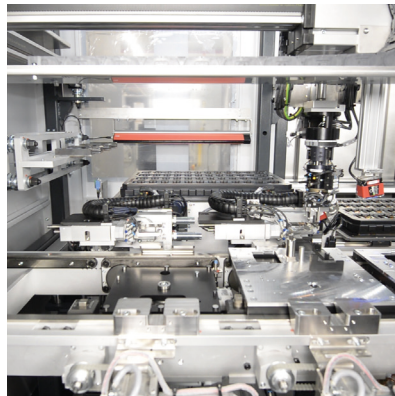


PARIO 4000



Description

The PARIO 4000 3-shaft palletizer with integrated component handling is optimized for large quantities in serial production. It is designed for internal logistics based on the standard floor rollers (trolley). Components delivered on trolleys as stacked trays up to a height of 1400 mm can directly be pushed into the PARIO 4000 or removed with any further repacking. The PARIO is therefore an integrated part of the logistics chain. This concept and its high level of autonomy get the optimal palletizer for loading and unloading of automated assembly lines.

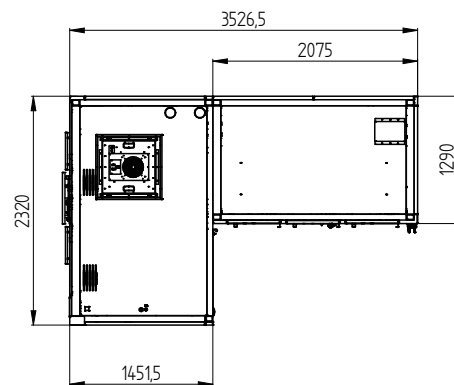
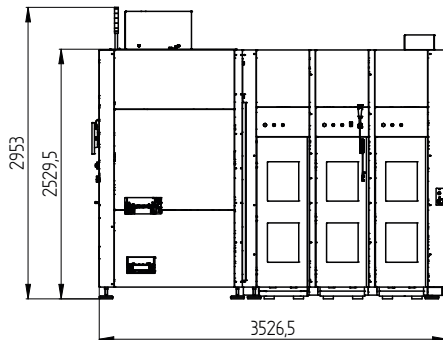
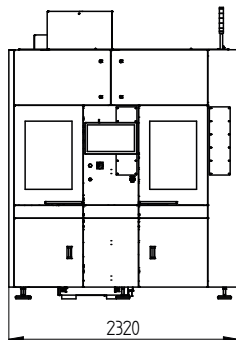
Loading and unloading are parallel and independent processes of tray and part handling. After registration of the material at MES/ERP system, the tray handling system takes a single tray from above and places it on the free tray shuttle of the staging module. Alternating with an emptied tray, the full tray enters the part handling system. There, the components are removed from the tray and, depending on the requirements, placed in a product carrier or another assembly step is carried out. The integrated transfer system transports the component to the next machine. The empty tray is remaining on the shuttle and is taken over by the tray handling system and added to the empty tray stack. From there it is returned to the tray circulation, again on a trolley of course. The whole process can be connected to a MES/ERP system or monitored by Smart Alert out of the PULSE PRO Software Suite. PARIO 4000 can be used for loading or unloading of tray stacks according to the requirements.

Options

- _Enhancement packages
- _Pharma / Medical
- _Cleanroom
- _Customized workpiece handling
- _Alternative control concept
- _Sector specific standardization and qualification documents
- _Further customer-specific adaptations on request
- _MES Connection
- _Can be combined with Smart Alerts
- _Cleaning and ionization systems
- _Automatic gripper change units
- _Identification systems such as scanners, RFID etc.

Features

- _Processing of tray stacks up to 1400mm height
- _High autonomy through trolley logistics concept
- _Tray formats up to 600 x 800 mm
- _Trays/KLT of different designs and materials
- _Pick-& Place time ≥ 5.0 s
- _Change of trays in the intake in 3.0 s
- _Usable as loader and unloader
- _Logistics feed from the rear side
- _SIMPLEX interface designed to be easily operated
- _Perfect logistic facilities by changing pallets and trays without interruption – fully automated
- _Low in maintenance
- _ESD Variant



PARIO 4000

PARIO 4000

Machine Configuration

Conveying height	950mm (upper conveyor section) 350mm (lower conveyor section)
Transfer position at machine edge	300 mm
Operating side	front
max. workpiece weight	up to 15 kg

Tray Format

Traysizes	up to 400 x 600 mm
max. tray weight	12 kg
max. Tray stack weight	200 kg
Tray stacking height	up to 1400 mm

Installation Requirements

Power supply	400 V / 50 Hz
Power supply system	3L + N + PE
Power consumption	4 kW
Air supply	min. 6 bar / 87 psi
Air consumption	50 NI/min

Machine Description

Length x Width x Height	3526 x 2320 x 2525 mm
Weight	approx. 3500 kg
Noise Level	< 72 dB(A)
Repeatability	± 0.1 mm
Tray changing time	3,0 s
Cycle time workpiece handling	≥ 5,0 s

**ASYS
GROUP**

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The pictures may contain optional extras, custom fittings or accessories which are not included in the standard scope of delivery. These are available at extra cost.