

PARIO 1000



Description

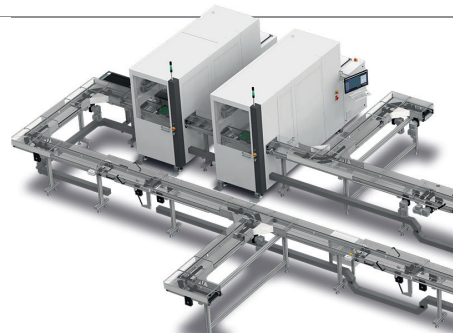
The PARIO 1000 is an integrated tray and part handling palletizing system. Like all PARIOs, it is used for stacking and unstacking trays, but can also insert parts from trays into the process chain via Pick&Place or remove them from there. The options here are as varied as the customer's requirements, from placement/removal in a work piece carrier, shuttle, or conveyor belt to intermediate work steps such as scanning or cleaning to camera-based feature recognition. Tray formats up to a size of 400 x 600mm can be processed. Depending on the task and requirements, the PARIO 1000 can be used as a stand-alone machine or in combination with other PARIOs.

Features

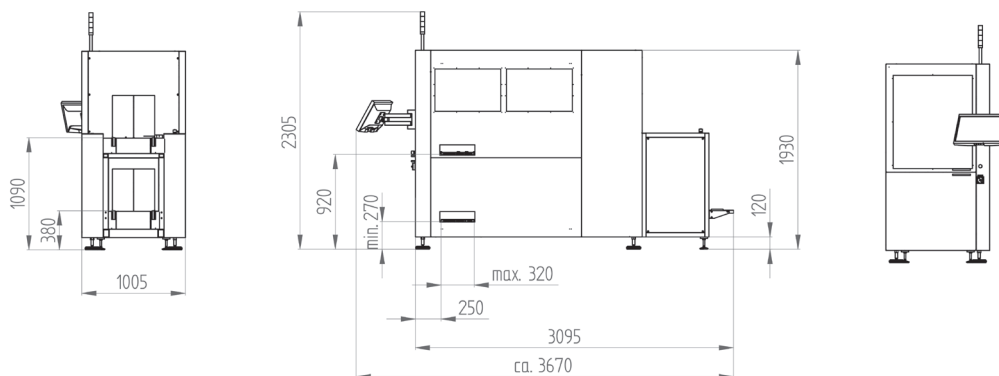
- _Precise X-Y-Z H-portal handling
- _Tray dimensions up to 400x600mm
- _Multiple additional options for parts handling
- _Parts/tray loader and unloader
- _ESD version
- _Operator side selectable

Options

- _Unload conveyor with 2 tray stack autonomy
- _AIV connection via lift
- _Gripper changing system
- _Z or C axis pneumatic or electrical
- _Rapid tray change <10sec
- _Integration of div. standard transfer system possible
- _Integrated Work Piece Carrier lift system (lines beginning and end)
- _Expansion for lift and index units
- _Infeed/outfeed side shutter mechanism in WC area
- _Tray forced separation via retainers
- _Lift-out station for lifting trays with insufficient grip features
- _Tray rotation position detection
- _NOK position
- _All side accessibility
- _Pulse Pro and ERP interface



PARIO 1000 as loader, unloader and control system of a transfer line



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Machine Configuration

Conveying height	920mm
Operating site	Flexible
Max. workpiece weight incl. gripper	5kg
Top tray stack conveying height	1090mm
Bottom tray stack conveying height	380mm

Tray format

Traysizes	400 x 600mm
Min. tray height	20mm
Max. tray height	90mm
Max. tray stack weight	40kg
Tray stacking height	400mm
Tray changing time	< 20sec (optional < 10sec)

Installation Requirements

Power supply	400 VAC / 50Hz
Power supply system	3L + N + PE
Power consumption	3kW
Air supply	6bar / 87psi
Air consumption	10 NI/min

Machine description

Inlinie base area (LxBxH)	approx. 3670 x 1005 x 2305mm
Weight	approx. 1000kg
Noise level	< 72dB(A)
Repeatability	+/- 0.1mm
Workpiece handling cycle time	≥ 5sec

**ASYS
GROUP**

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Printed in Germany.

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.