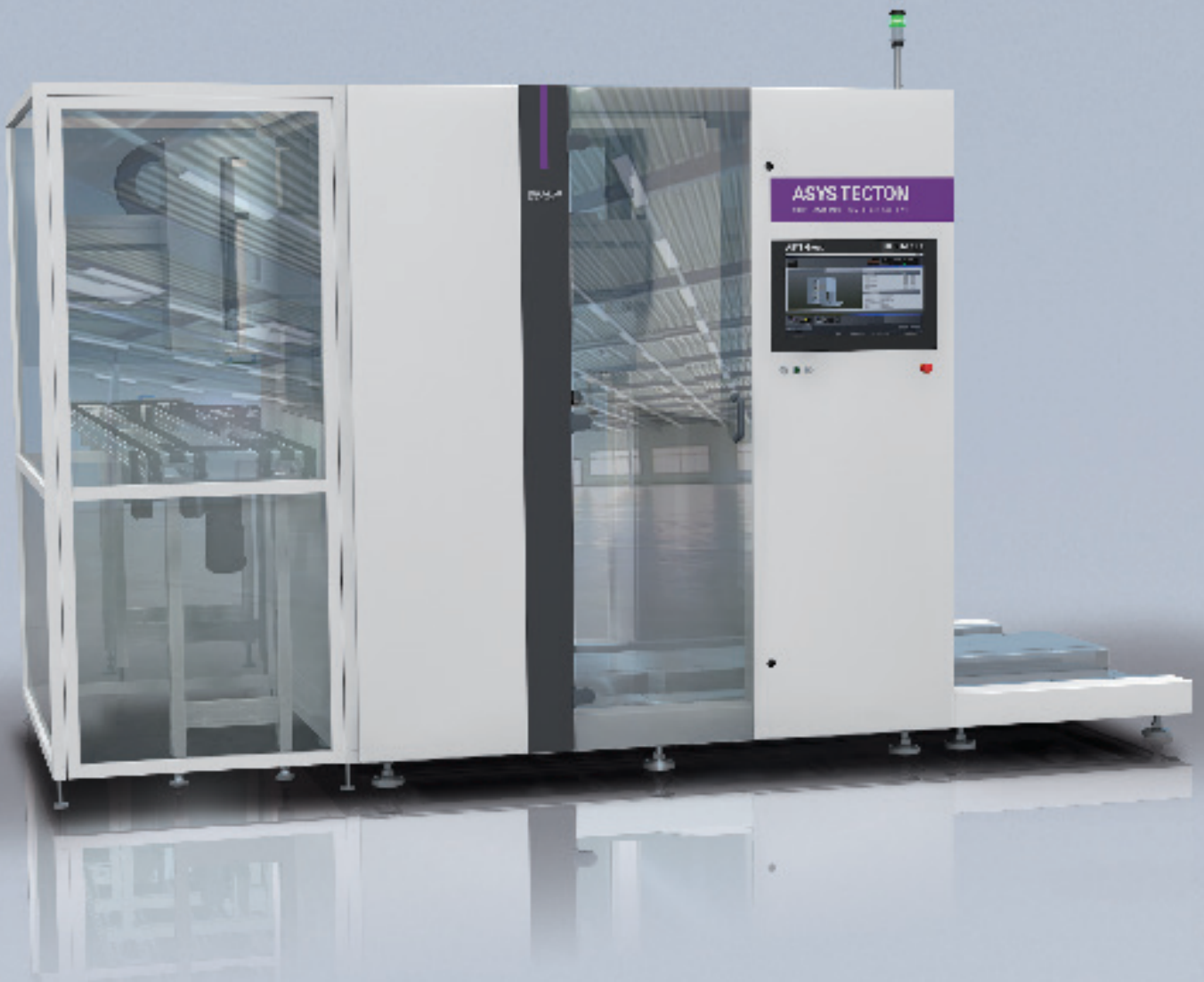


ASYSTECTON – Tray Handling and Transfer Systems

High-End Tray Handling Systems

## PARIO 3000

**SIMPLEX  
USER IN-  
TERFACE!**



ASYSTECTON PARIO 3000 with SIMPLEX User Interface  
in Combination with TECTON MOTUS Transfer Line.

## PARIO 3000

Tray and component handling – from the smallest tray to euro pallets – the PARIO series covers all areas of application. The high-end PARIO 3000 tray handling system handles tray formats up to 400 x 600 mm and ensures the shortest tray changing times. The system unloads or loads trays in less than four seconds.

The high-end Tray Handling System PARIO 3000 is loaded manually from the outside with equipped trays. The tray stacks move automatically into the palletiser where they are separated. A gripper system – mounted on a Y-Z-system – removes the products and places them onto the assembly line. The empty trays are piled to a tray stack and conveyed automatically out of the machine at the end of the process. PARIO 3000 can be used for loading or unloading of trays.

### Features

- > Tray exchange in less than 4 seconds
- > Pick-& place in less than 3 seconds
- > Transport of instable trays
- > Long-standing expertise in the development of custom grippers
- > Extremely high availability due to standardised components
- > Meet the requirements of cleanroom class ISO 8 according to DIN ISO 14644-1
- > Homogenous surfaces and stainless steel versions available for automotive applications, electrical equipment and pharma solutions

### PARIO 3000 with optimized performance and the SIMPLEX Multi-Touch user interface:

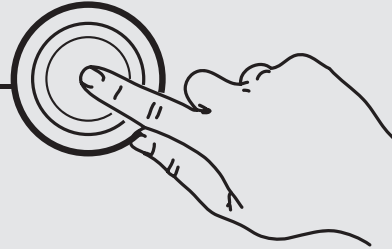
- \_ Development of a new basic machine structure of the PARIO series. Easy configuration with industry-specific supplementation packages.
- \_ Advanced design for more and easy service and maintenance capability. In addition to this the operator accessibility has been advanced.
- \_ New designed logistic modules with one full faced conveyor belt. Executed for the easy use of all known trays especially unstable trays.
- \_ The new operation via the multi-touch user interface SIMPLEX, enables easy and fast interaction with the machine.



## PARIO 3000 with SIMPLEX

# SIMPLEX

User Interface für Prozess-Maschinen



### SIMPLEX for Monitoring and Control

Immediately it is clear: operators and their specific needs are the focus. Buttons are optimized for quick touch screen entry and for the conditions in a manufacturing environment. SIMPLEX is a unique Human Machine Interface (HMI) for monitoring and control of highly complex machines.

**Usability benefits** for the operator are clear hierarchies and intuitive workflows on multi-touch basis. Input areas that are static in conventional solutions behave dynamically depending on the use context in SIMPLEX.

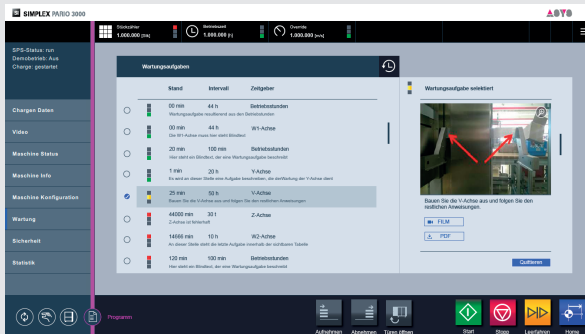
### Maintenance made easy

SIMPLEX makes maintenance easier. All tasks are clearly displayed, the priority can be seen at first

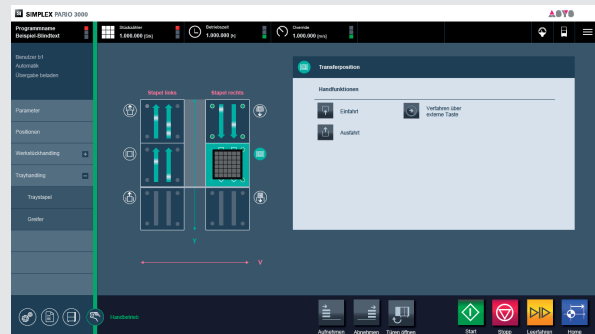
glance. This allows the operator forward-looking and fast work. Thanks to clear videos, images or text, the operator is guided step by step what he has to do next.

### Easy tray configuration

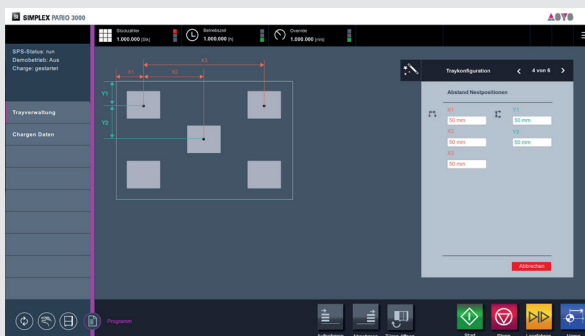
SIMPLEX allows the user to configure a tray in a few steps. Color coding of the axial directions greatly facilitates the entry of position values. The entered information such as height and width of a tray is immediately visualized live. In order to display the presentation as realistic as possible, an image of the nest can be added. The easy operation of SIMPLEX reduces training time significantly and helps avoid errors.



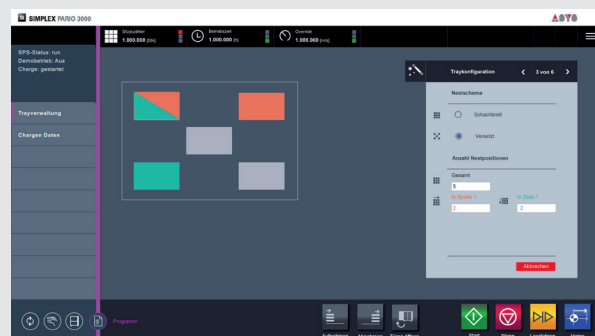
All maintenance tasks are sorted by priority



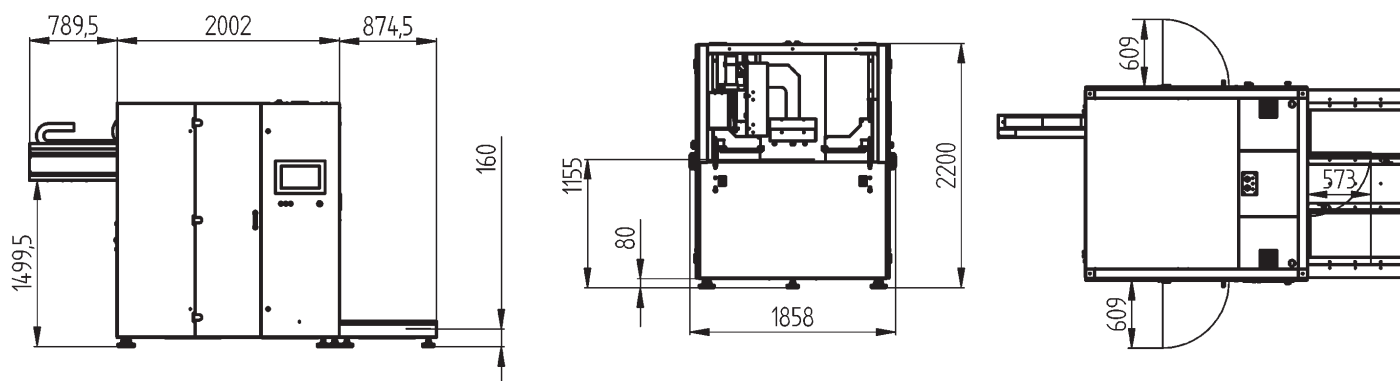
In SIMPLEX the tray stack can be tracked live



All specified values are visualized live



Tray configurator facilitates the creation of trays significantly



## PARIO 3000

	Typ 1	Typ 2
<b>Machine Configuration</b>		
Conveying height	850 mm - 1150 mm	850 mm - 1150 mm
Transfer position at machine edge	340 mm	340 mm
Operating side	Left	Left
max. workpiece weight	up to 15 kg	up to 35 kg
<b>Tray format</b>		
Traysizes	up to 400 x 600 mm	up to 400 x 600 mm
max. tray weight	5 kg	30 kg
max. Tray stack weight	100 kg	200 kg
Tray stacking height	up to 900 mm	up to 900 mm
<b>Installation Requirements</b>		
Power supply	400 V / 50 Hz	400 V / 50 Hz
Power supply system	3L + N + PE	3L + N + PE
Power consumption	2,8 kW	2,8 kW
Air supply	at least 6 bar / 87 psi	at least 6 bar / 87 psi
Air consumption	15 NI/min	15 NI/min
<b>Machine Description</b>		
Length x Width x Height	min. 2000 x 1450 x 2203 mm	min. 2000 x 1450 x 2203 mm
Weight	1980 kg	1980 kg
Noise Level	< 72 dB(A)	< 72 dB(A)
Repeatability	± 0.1 mm	± 0.1 mm
Tray changing time	< 4.0 s	< 4.0 s
Cycle time workpiece handling	> 3.0 s	> 3.0 s