

SECKLER

Extremely variable – SECKLER *variation*.

The standard construction kit for your workpiece handling.

The simple solution. From SECKLER. SECKLER *variation* standard cell.

Standard handling cell with V-Gripper
and inlet and outlet chain conveyor.

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*Chain conveyor for single part feed,
adjustable in width and height.*



*Same chain conveyor can be adjusted in width and height to hold pallets.
The exit of the machined parts on the pallet takes place by means of an
outlet conveyor.*



The solution with that certain something. From SECKLER.

SECKLER *variation* standard cell plus.

Standard handling cell with V-Gripper and inlet and outlet chain conveyor mounted on extended base to hold an additional module (such as a post-process station).

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Additional modules

- + SPC and NOK rejection
- + Blowing, sucking
- + Washing, cleaning
- + Assembling, mounting
- + Measuring (pre- or post-process)
- + Orienting, aligning
- + Flip over
- + Deburring
- + Labelling
- + etc.

Using our graphical interface, users can control the state of their machining process and send the measurement data to the machine using automatic trend or real value correction.

Post-process station



The round solution. From SECKLER. SECKLER *variation* standard cell with swivel arm loader.

Standard cell with swivel arm loader and workpiece feed and removal via rotary indexing table and magazine.

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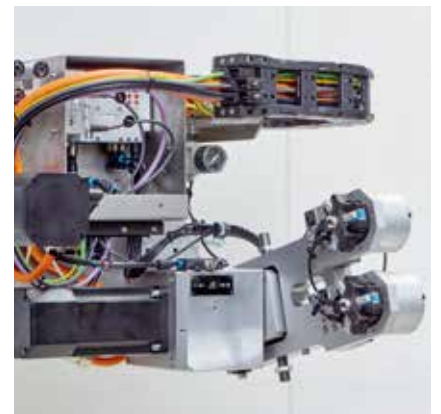
Indexing table on operator side



Pick-up for transfer to swivel arm loader



Swivel arm loader for chuck parts



The compact solution. From SECKLER.

SECKLER *variation* standard cell with telescopic gantry.

Standard cell with telescopic gantry and H-gripper and workpiece feed and removal via pallet stacker system.

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Telescopic gantry with H-gripper

Available gripper systems

- + V-gripper
- + H-gripper
- + Swivel arm loader

Available part feeding systems

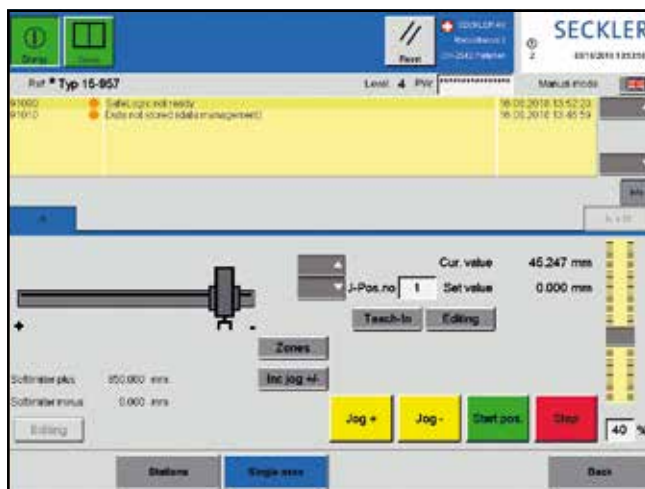
- + Chain conveyor
- + Pallet conveyor with or without stacking system
- + Bulk material supply via vibrating bowl feeder
- + Chute
- + Rotary indexing table



Flexible control. With comfortable visualization. From SECKLER.

Visualization

Flexible SECKLER control with comfortable visualization. The HMI is carried out via a handheld terminal with 10" touch screen. Here is an overview of the main functions and setting options:



Production
Simple and clear design for monitoring the production process.

**Single axes/
Palletizing axis**
User-friendly interface to set axis positions and workpiece type-dependent palletizing systems.

STANDARD FEATURES

Outlet

No other workpieces are transported into the machine and the remaining workpieces will be unloaded onto the outlet conveyor.

End of pallet

All workpieces of the current pallet are transported into the machine, machined and unloaded onto the outlet conveyor again.

End of conveyor (single parts or pallet)

All remaining workpieces, whether on pallets or on the infeed conveyor, are still transported into the machine, machined and then unloaded onto the outlet conveyor.

One-part-cycle to tune the machine

One workpiece is transported into the machine, machined and unloaded onto the outlet conveyor. After this cycle, the system stops automatically.

Robo on/off (option)

The robo cycle is started so that the machine can go into the warm-up cycle.

SPC

A machined workpiece is placed in a separate tray. Used to control the machining process.

Acknowledge SPC

Confirmation that the machined workpiece has been removed and checked.

Machine energies off (option)

In case of part deficiency, level or disturbance the energies (axes, air, etc.) are switched off. The machine is given the signal "switching off the energies".

Options

- + Remote maintenance via secure VPN tunnel
- + OEE operational data acquisition via OPC-UA interface
- + Robo or warm-up cycle
- + Energy off or standby function (main consumers are switched off)

SETTINGS

Override axes

(when switching to automatic mode)
The chosen override is adopted when switching to automatic mode. Axis speed in percent (0 - 100%).

Speed loading

Speed limit when loading the workpiece into the machine.

SPC after x-parts

SPC eject workpiece after a certain number of parts.

Eject x-parts into SPC (option)

Number of workpieces that are ejected into the SPC tray.

Stop after x-parts, SPC not acknowledged

Definition of the number of workpieces after which the system stops, if not acknowledged.

Automatic robo cycle selectable (option)

The robo cycle will start automatically when the conditions are met.

Stop after x-rejects

The system is stopped when the defined number of rejected parts has been reached by the machine.

Stop after x-times no part (option)

The system is stopped as soon as the defined number of empty workpieces on the pallet has been reached.

One-part-cycle in production operation (option)

A workpiece is loaded into the machine, machined and unloaded onto the outlet conveyor. This process is repeated until the outlet-cycle is selected. (Interference contour V-gripper). This requires a longer changeover time because during unloading of the finished part, the machine cannot work.

Production type: pallets or individual parts (option)

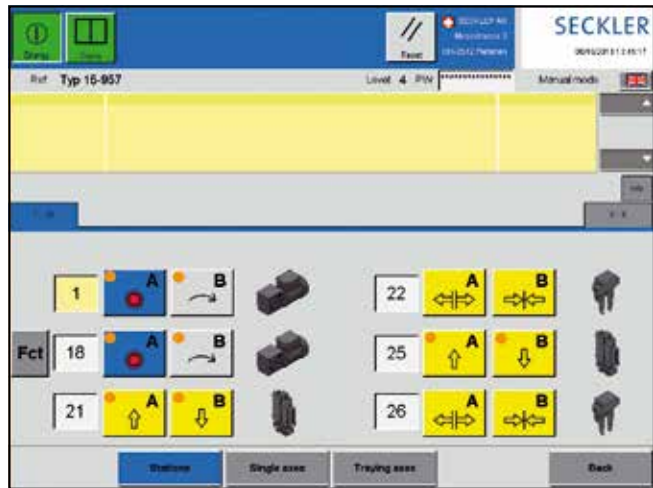
Switching between pallets or individual parts on the infeed conveyor.

Number of cycles after depositing on outlet conveyor

The outlet conveyor is moved forward several times for larger workpieces to be able to deposit the next workpiece.

Stations

Intuitive operation of the mechanical individual movements of the system in manual mode.



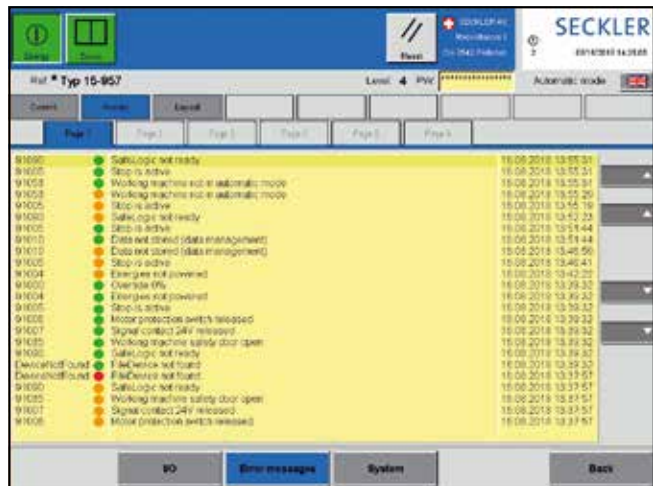
Workpiece management

More than 500 workpiece types can be stored. Ability to import and export via USB. Interesting for data backup and operation of several identical systems.



Error messages

By default, the last 200 messages and error messages are stored (expandable on request).



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