

HANDLING SYSTEM – INDIVIDUAL

SPECIFICATIONS

Supply	230 VAC / 10 A / 50-60 Hz
Performance	Part-dependent
Autonomy	approx. 6.5 h
Dimensions LxWxH	1.2 m x 0.8 m x 1.95 m

DESCRIPTION

The system is based on an industrial robot with a radius of action of approx. 600 mm. From the ejector of the automatic lathe, the parts are transferred to the conveyor belt of the handling system. A present production part is detected by means of a light barrier. The robot picks up the components and places them in the waiting washing baskets. Optionally, the handling system can be expanded with various functions, such as a Vision System, test part output or a blow-off station for cleaning parts or grippers.



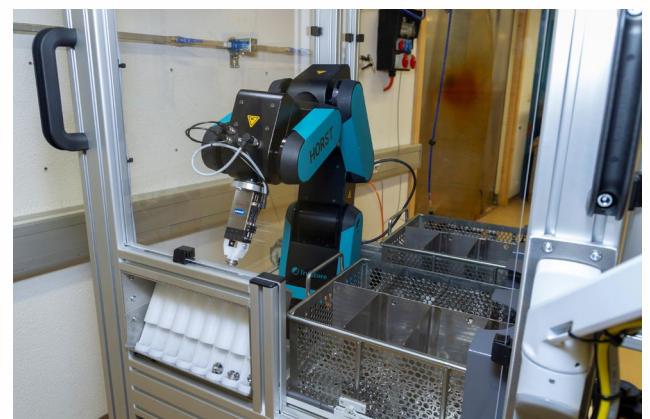
General view of the individual handling system

FIELDS OF APPLICATION

Flexible and mobile use in the manufacturing industry. For the unloading of manufactured parts from production machines and subsequent transfer to containers for further use.



Working area



Test parts output



FEATURES

- Integrated robot
- Mobile system
- Compact system dimension
- PLC control integrated
- Precise motion sequences
- High repeatability
- Flexible use

ELECTRONICS

A Siemens PLC with HMI control panel that is attached to the system as a swivel arm panel is used to control the system. The control can be connected to the production plant via I/O interfaces to ensure communication. The programming of the PLC, the planning of the electronics and pneumatics as well as the operating concept are designed and realised to meet the customer's needs.



Control cabinet with integrated PLC

CUSTOMER BENEFIT

- Cost effective solution
- Cycle time of ten seconds possible (depending on parts)
- High autonomy
- Flexible use on different machines
- Various service packages on offer
- Proven and tested concept
- Customer's own containers possible
- Simple communication with the production plant realised

COMPLETE SYSTEM



Realised solution on an Index-Traub MS22-8

