



PROJECT 2:

MAINTENANCE AND OPTIMIZATION IN A PRODUCTION LINE INCLUDING HANDLING STATION WITH ELECTRICAL DRIVE AND STACK MAGAZINE

| Weighting (points out of total) | t max | Information |
|---------------------------------|--------|-------------------|
| 17/100 | 60 min | also on USB-Stick |

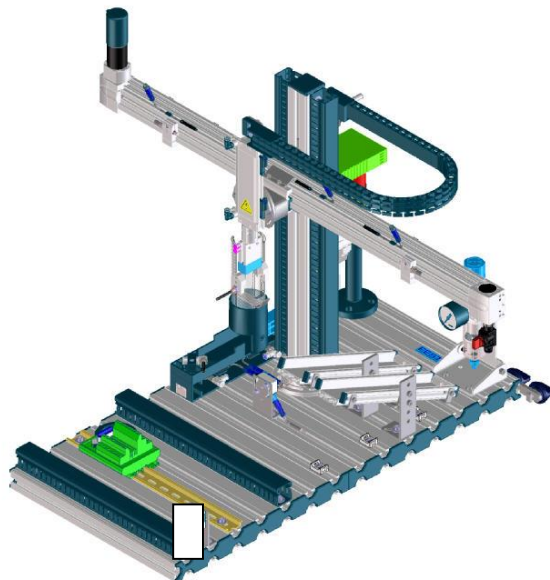
SCENARIO

An error has occurred in the system. Components are damaged and need to be replaced. Optimization in the PLC Program is possible.

Initial position:

Handling Station (HS):

- See Task 1



TASK

Your task is to maintain and recommission the system.

Your task is complete as soon as:

1. The production line has been mechanically assembled, correctly wired, connected and its correct operation is guaranteed (based on evaluation using the simulation box).
2. Correct execution of the program with PLC activation (based on evaluation with PLC) is guaranteed.
3. The system meets the specifications (in accordance with the 'Agreement on Professional Practice' which has been handed out separately).

The system will be sent to the customer as soon as you are finished. You will have no opportunity to make improvements later. Hardware problems during the evaluation phase can be solved afterwards.

The Production line layout, the initial position, the allocation list and so on is the same like in Task 1! You will also add an error messaging routine.

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