

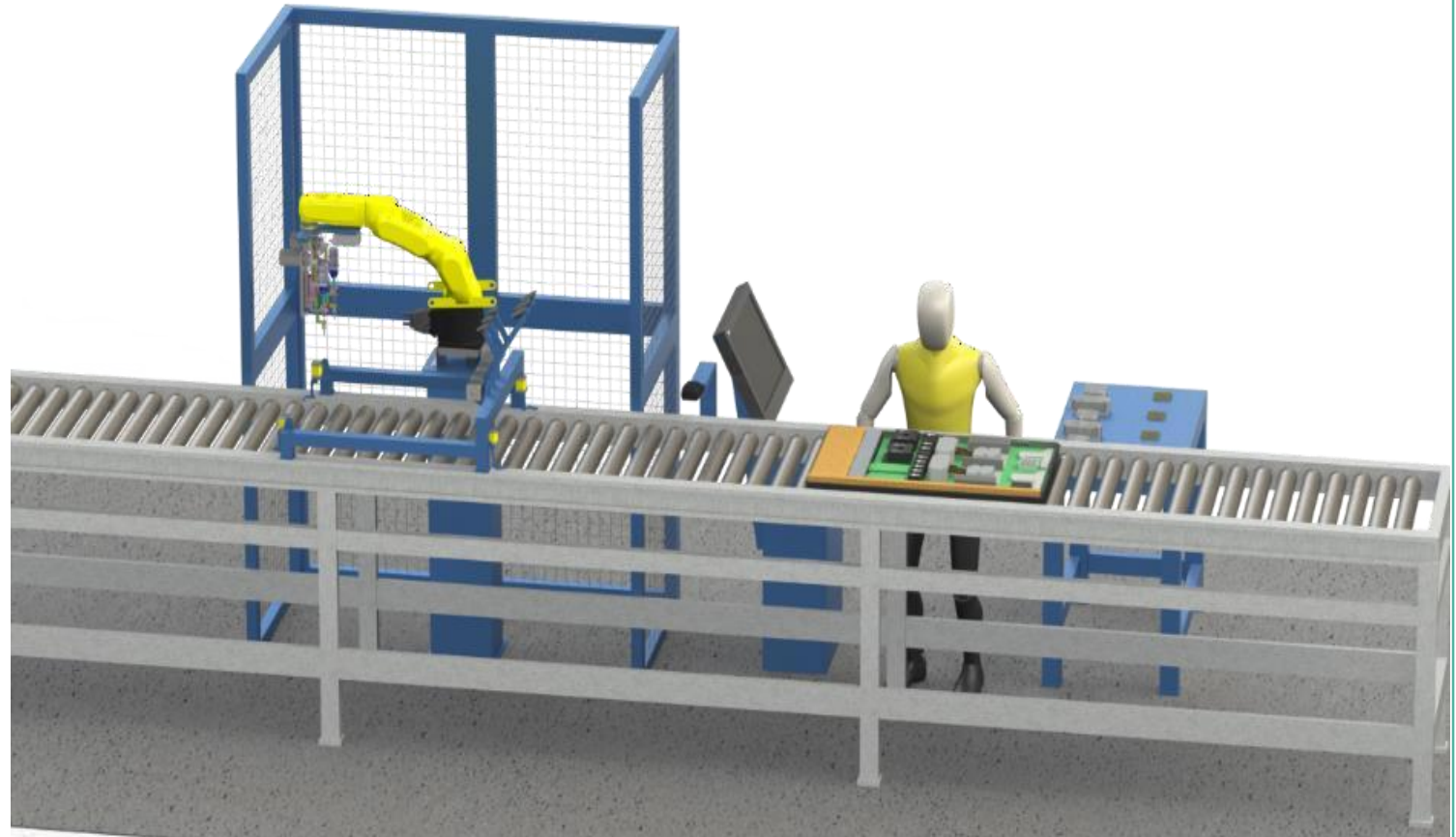


Automatic heat sink fastening system - Case study



Automatic heat sink fastening system

- ❑ The overall scope heat sink screwing machine must be able to receive the server on the conveyor (customer conveyor), without any indexing, identify it in the MES System for traceability and tight all the screws for the correct fixation of the part.
- ❑ The screwing sequence must be followed according to the work instruction, the process must be registered in the MES System along with the result of pass or fail and the server must be sent to the next station automatically. In case of failure, the reason must be declared as well.



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- ❑ The robot inspects the screw's presence, and once it is present, it fastens the screw tightly. It raises an alarm to notify the operator of missing screws while simultaneously updating feedback to the MES system.
- ❑ The rotary tray holder locks the tray rigidly to avoid vibration and positions it so that the robot can detect its position easily.



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