

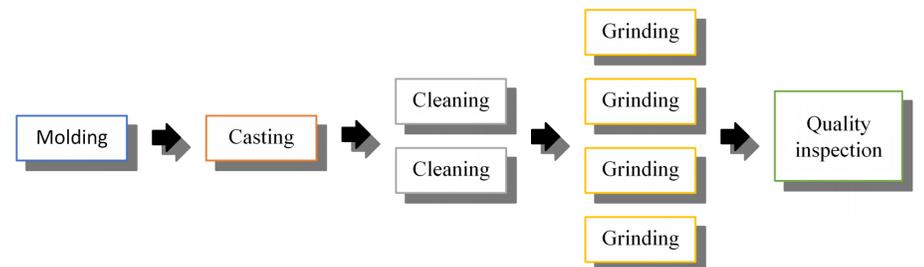
Identifying the production sequence of sandcasted products in a complex logistic proces

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Specialization Bridging programme for Master of Electromechanical Engineering Technology

Background:

During the production process the sequence of the products are changed by the parallel workstations of the cleaning and grinding department. This creates an uncertainty what other product have quality errors when production errors occur.



Current situation:

During moulding the sand mould of the product an operator uses metal stamps to mark a batch production number in the mould. This manual process is labour intensive and error-prone.



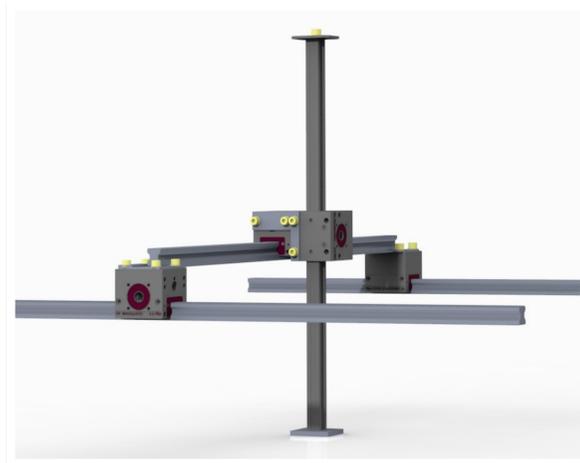
Main- & project goal:

The main goal is to control the information of the product sequence throughout the entire production process. The goal of this project is defined to create a solution by a mechanical design that automatically mark the moulds of products of one production batch.



The proposed solution:

This project consists of a mechanical design that is capable of marking the production sequence with an automatic numbering head powered by a pneumatic cylinder. To mark the exact location in the numbering head is positioned by a position system of Lean Technik. The moulds of the products are transported by powered transport rollers of Interroll.



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