

## **International**

## **Elite Summer School**



in Robotics & Entrepreneurship





Odense - Denmark Aug. 5<sup>th</sup> to Aug. 23<sup>rd</sup> 2025

# #11\_LINAK\_B Part feeding

#### Context

We have some spindles and iron rods that are currently being handled manually multiple times in our production line, and we would like to automate this process.

**INDUSTRY CASE** 

- First, we manually transfer the iron rod from a wooden box into the input of a machine.
- 2. Then, the spindles are manually placed from the machine into a wooden box.



### Challenge

The challenge is to design a principle for feeding a rolling machine, capable of holding a buffer of 30 +/-5 pc of iron rod. On the other side of the machine the processed rods need to be placed into a wooden box, of the same dimensions as the box the items arrive in.

The technology/principle used is up to the students to decide.

## Tools, methods and materials

LINAK provides product samples of the spindles, as well as needed dimensions.

## Ideal outcome for the company

A description of the method used to move the spindles, drawings & calculations to realize the concept for running production.



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