



INDUSTRY CASE

#12_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.

1. 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.