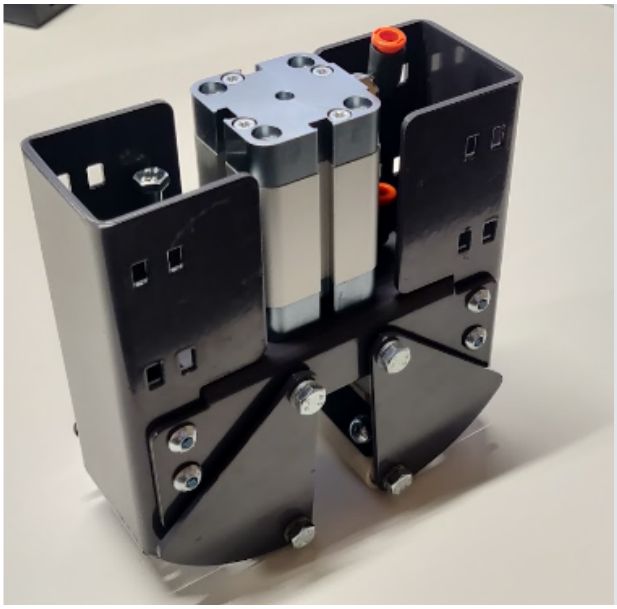
PROJECT - Mechanical engineering
TEXTILE TOOL FUNCTION OPTIMIZATION

We have developed a fast and effective textile gripper which we believe can be improved further by you. It grips one or two towels from a pile and drags them free, to be placed onto a conveyor.
Ideally the mechanism should be kept the same, but improved in its construction to improve it further.

We also have a wish for it to be actuated using electricity since not all machines where it can be integrated will have an air supply.
A sensor should be integrated to tell with certainty if a textile has been gripped or not.
The tool should be lighter to allow for faster acceleration and movement.
The tool should be easier and faster to assemble
Currently it is constructed using bent steel plates, but a 3D printed unibody design might also be feasible.



THE PROJECT

Redesign the tool to improve functionality, and the assembly process.

Electrical actuation
Better sensor placement
Lighter construction
Eliminate cloth hangers
Reduce cost price
Easier to assemble and maintain

YOUR PROFILE

ID- Robot - Mechanics - Other
Interest in mechanical design

INWATEC LAUNDRYNERDS

Inwatec ApS develops and produces machines and robots for industrial laundries worldwide. We are a fast-moving company in rapid development and our team is creative and dynamic, with very dedicated employees. We love our informal work environment, where every idea is taken seriously and everybody is treated equally. On Fridays, we meet at our bar for an after-work beer, a barbecue or some ping-pong.

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