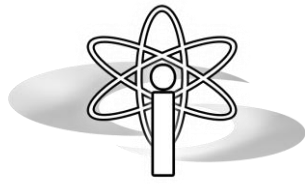
A close-up photograph of a 3D-printed finger prick device. The device is primarily black with a yellow handle on the left. It is being held by a finger, and the needle is visible at the bottom. The device has a scale with numbers 5 and 4. A large, curved, multi-colored arc (purple, blue, green) is overlaid on the right side of the image.

# iMagineLab's One-Finger Lancing Device

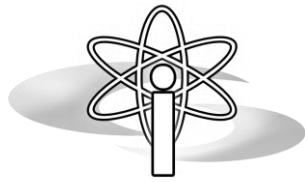
3D-printed finger prick solution for diabetes  
patients with one hand or motor impairment



# One-Finger Lancing Device

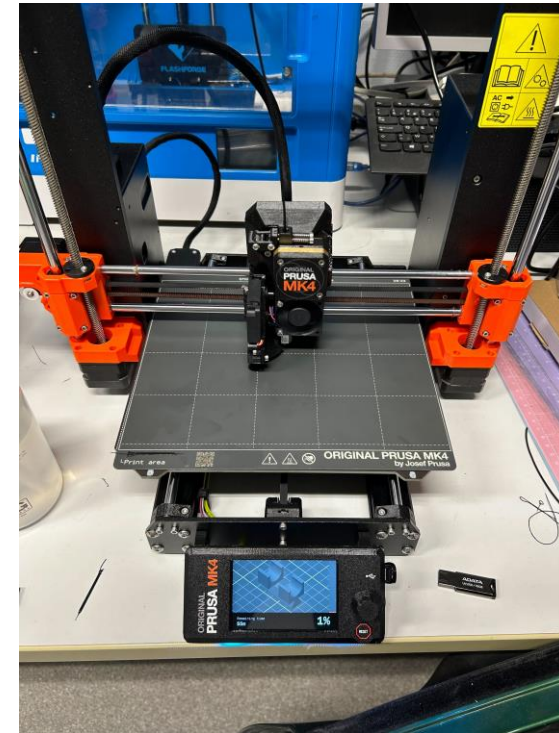
- Traditional lancing devices are difficult to operate for diabetes patients with one arm or motor impairment (e.g., ALS, MS), as they require two hands to operate.
- These people depend on frequent assistance of professionals or family to test their blood sugar.
- This leads to frustrations and missed tests, which has serious consequences for blood sugar management.
- Our **solution** is a **simple**, yet **effective device** that allow patients to prick their finger and test their blood sugar **independently**.

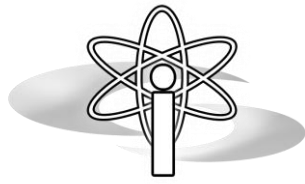




# One-Finger Lancing Device

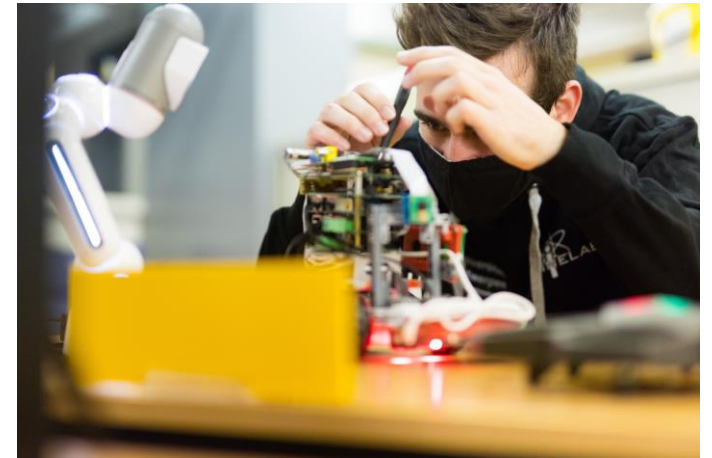
- Open-source 3D-printable holder for self-tensioning lancing devices.
- Developed by our iMagineers.
- Quick print (2h30), available online for free.
- In collaboration with AZ Sint-Maarten hospital in Mechelen.





# iImagineLab - Who are we?

- Technology club at the faculty of Applied Engineering at the University of Antwerp.
- We combine engineering with creative imagination, as we call ourselves iMagineers.
- For (PhD)-students, alumni & visitors, who are passionate about science and technology.
- Projects, activities, competitions, hackathons, and more...





# Contact

 **info@imaginelab.club**

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 **Groenenborgerlaan 171, 2020 Wilrijk**

 **@iImagineLab.be**

 **@iImagineLab\_be**

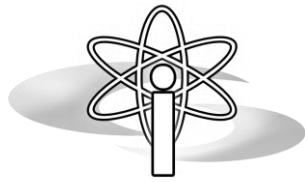
 **@iImagineLab.be**



A close-up photograph of a yellow 3D printed device, which is a finger prick automaton. It has a black cylindrical component with a white button and a scale marked with the numbers 5 and 4. A person's finger is shown pressing the button. The device is mounted on a yellow frame. The background is a blurred laboratory setting with various equipment.

# iMagineLab's Prik Automaat met Eén Vinger

3D geprinte vinger prik oplossing voor  
diabetes patiënten met één hand of een  
motorische beperking

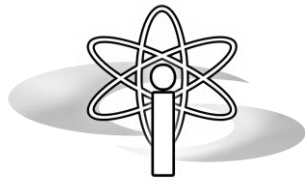


# Prik Automaat met Eén Vinger

- Traditionele prikpenen zijn moeilijk te hanteren door diabetespatiënten met één arm of een motorische beperking (e.g. ALS, MS), omdat deze twee handen vereisen om te gebruiken.
- Deze personen hebben regelmatig hulp nodig van hulpverleners of familie om hun bloedsuikerwaardes te testen.
- Dit leidt tot frustraties en het missen van testen, wat ernstige gevolgen heeft op de bloedsuiker balans.
- Onze **oplossing** is een **simpel**, maar **effectief toestel** dat patiënten toelaat om hun eigen vinger te prikken en hun bloedsuikerwaardes **zelfstandig** te meten.

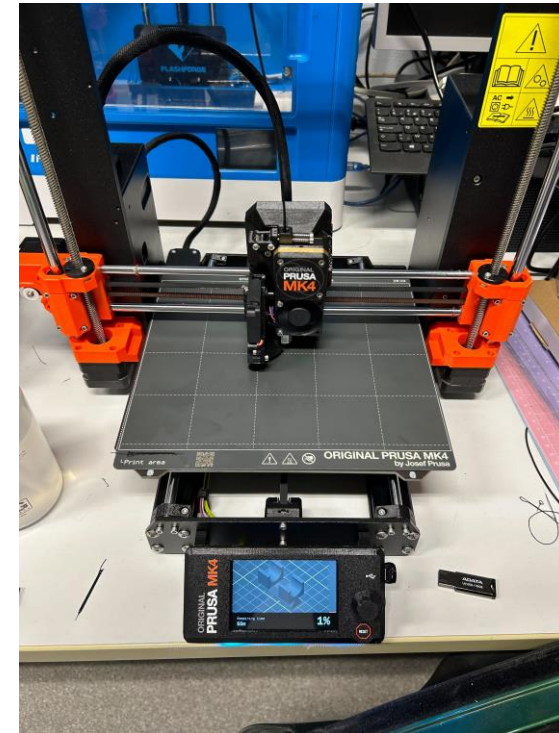




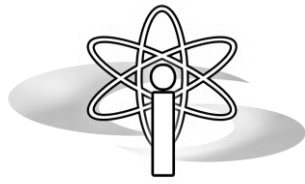


# Prik Automaat met Eén Vinger

- Open-source 3D-printbare houder voor zelf opspannende prikpenningen.
- Ontwikkeld door onze iMagineers.
- Snelle print (2u30), ontwerp is gratis beschikbaar online.
- In samenwerking met het AZ Sint-Maarten ziekenhuis in Mechelen.

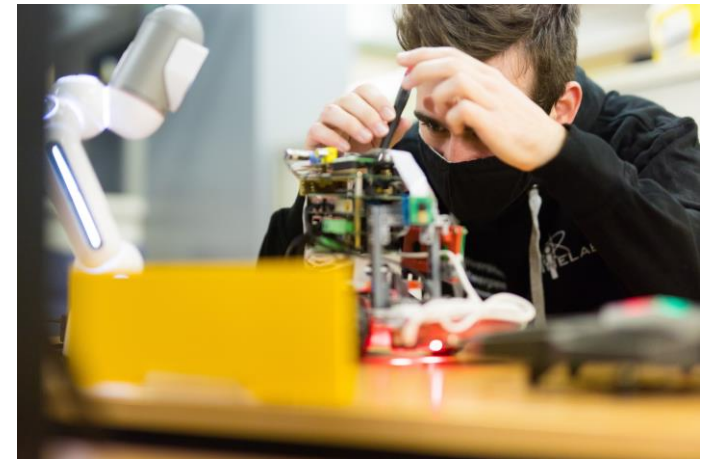






# iImagineLab - Wie zijn we?

- Technologie club aan de faculteit Toegepaste Ingenieurswetenschappen van de Universiteit Antwerpen.
- Wij combineren 'engineering' met 'imagination', daarom noemen wij onszelf iMagineers.
- Voor (PhD)-studenten, alumni & bezoekers, die gepassioneerd zijn door wetenschap en technologie.
- Projecten, activiteiten, wedstrijden, hackathons, en meer...



# Contact

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