

Helix Robotics

Building soft robots for hard problems

In a nutshell

We present the first commercial soft manipulator.

Why is our technology important?

Healthcare, agriculture, inspection services, and in-house care demand safe, adaptable, and precise robotic solutions. While robot arms and manipulators are increasingly used to assist or replace humans, sectors such as agriculture or in-house care are challenging to address with traditional robots. These sectors share the pressing challenge of lack of labor, which should manipulate delicate objects, prioritizing safety. While traditional robots are inadequate to solve this issue due to the inherent rigidity of their bodies, soft robots promise a great solution to this challenge.

The benefits of our solution

- Inherent safety – Our robot will manipulate object without risk of damage, and will interact with humans safely
- Lightweight
- Lower cost of production linked to ease of manufacturing

Keywords

Soft robotics, Human-Robot interaction

Founding Team

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