THINK BIGGER

Fontys scara arm project
Composite Automation System (C.A.S)

Introduction
This project within the minor Adaptive Robotics for the Fontys university of applied sciences engineerings department in Eindhoven (the Netherlands). As part of the Composite Automation System (C.A.S.)

Project context
The process is about making products with composite materials which require a complex producing method which costs a lot of time. The following parts of process were interesting for this project which are: product polishing, cleaning the surface of the mold, and putting a gel coat. The purpose of this project is to deliver a working demonstrator that is able to detect a certain object and follow the surfaces.

Powered by ROS
The Robot Operating System (ROS) is a flexible framework for writing robot software. It is a collection of tools, libraries, and conventions that aim to simplify the task of creating complex and robust robot behavior across a wide variety of robotic platforms.

::: ROS
Open Source Robotics Foundation
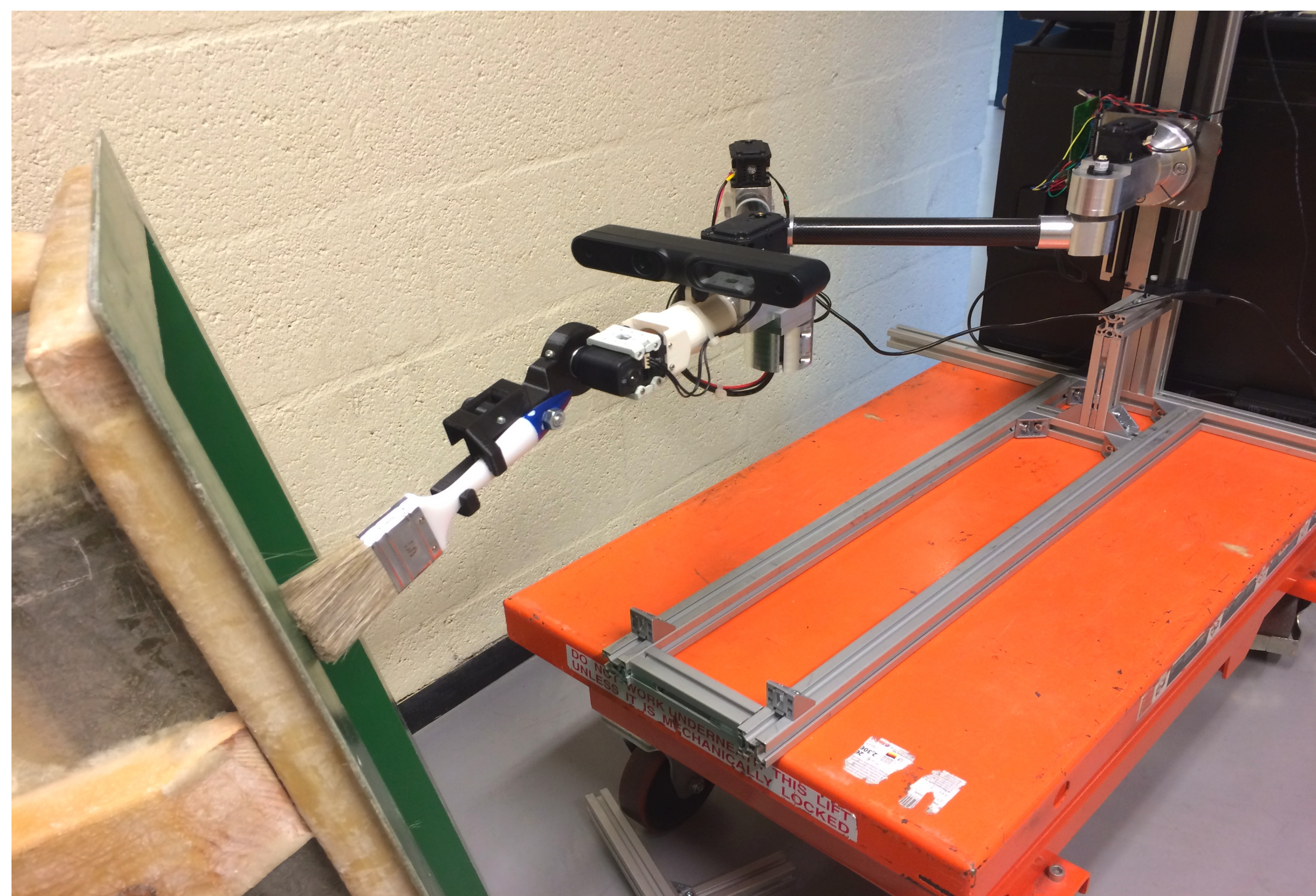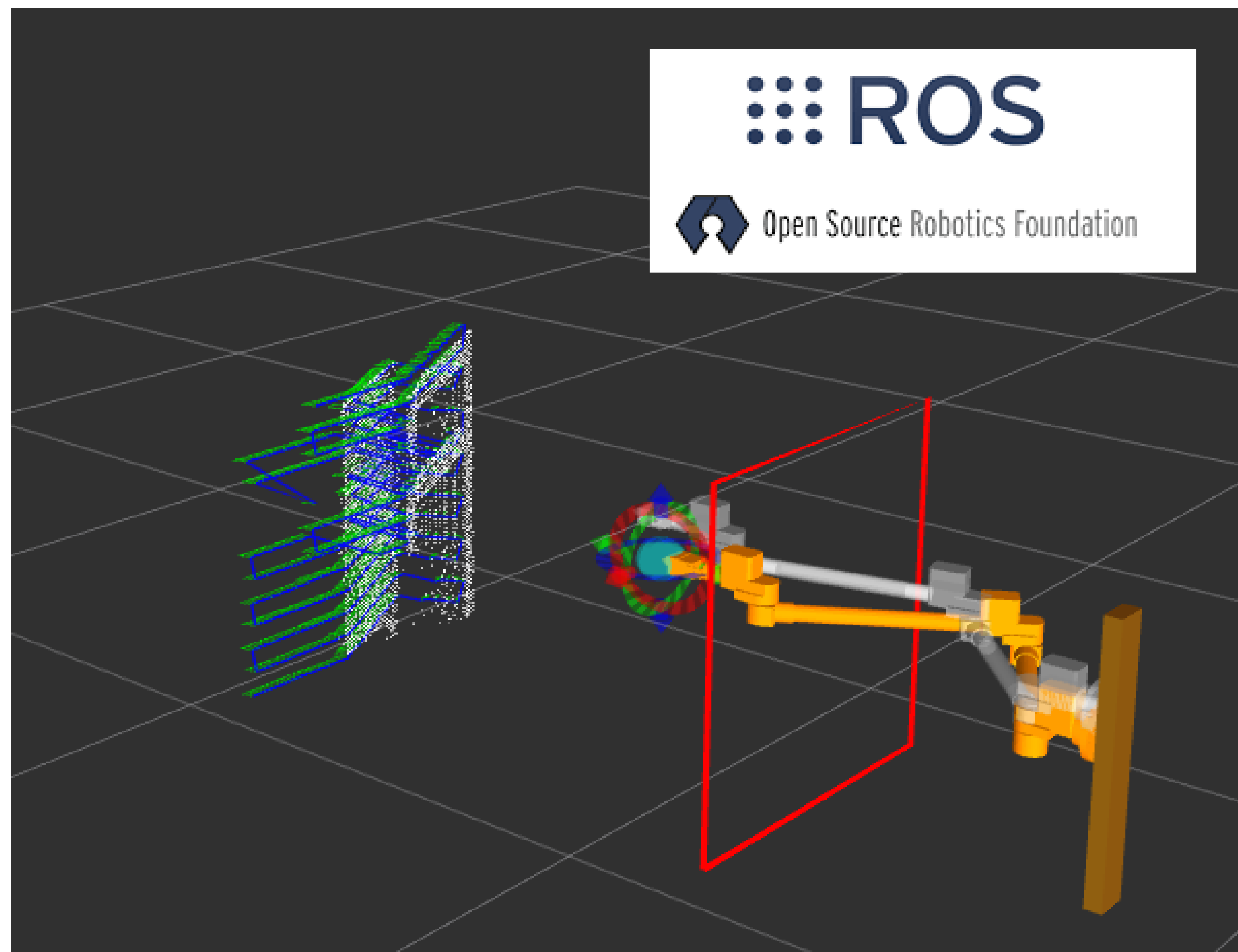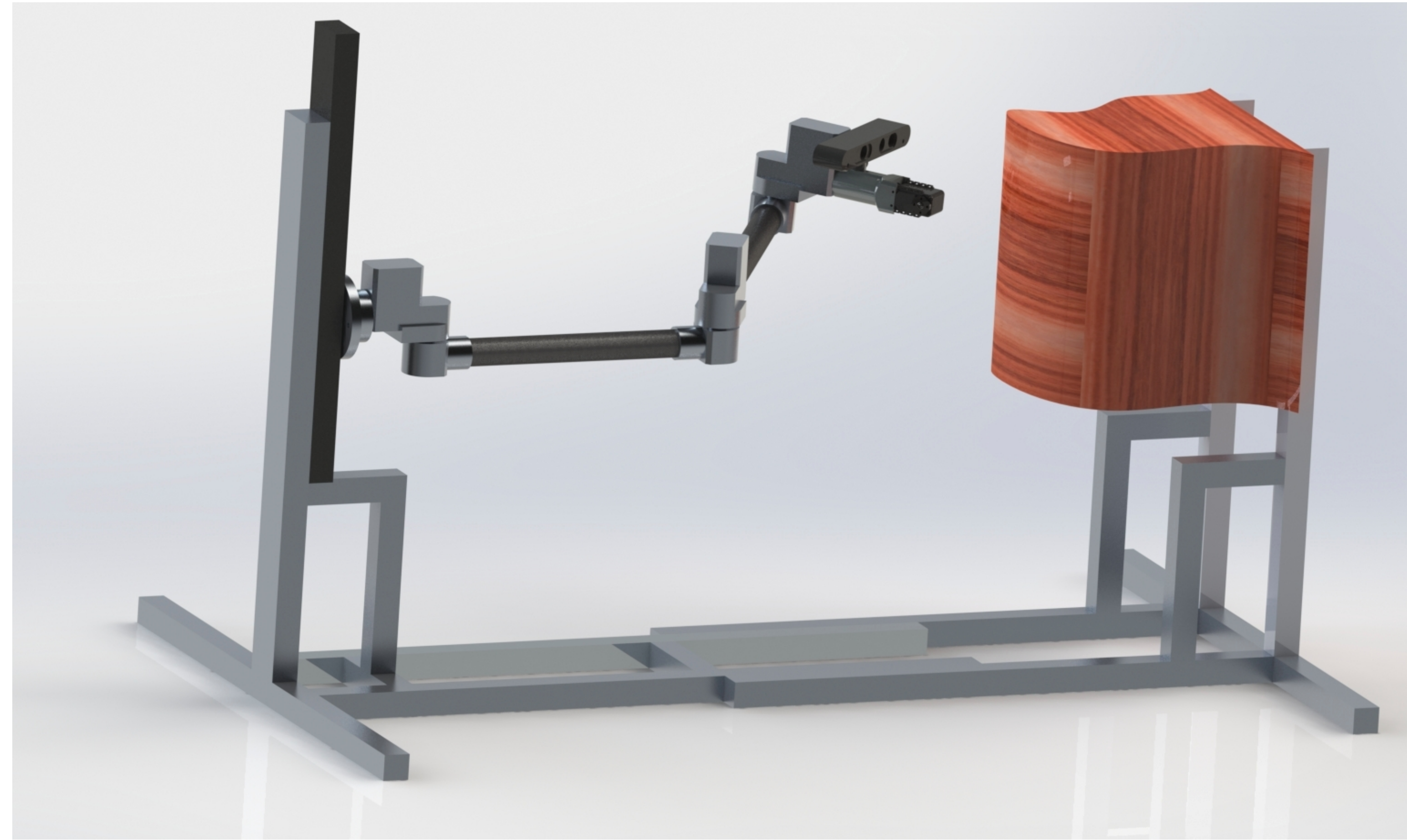

Sense
- 3D sensor
- 3D map

Plan
- Slicing
- Pathplanning

Act
- Move scara arm

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https://github.com/MinorAR/Fontys_SCARA_Arm/wiki

Minor Adaptive Robotics

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