

## **Samenvatting (EN)**

This project will contain the conversion of a fluid dispenser into a fully automatic CNC-machine. This machine is capable of processing mostly soft materials up to 50mm in thickness. Due to the use of microcontrollers the system will be capable of reading and processing G-code. The system will consist of 3 axis which are controlled by individual stepper motors as well as a controllable tool speed which makes it easier to process different types of material. The system will be run by UGS or Universal G-code sender. This software is capable of communicating with a microcontroller which is compatible with the GRBL library. G-code is universal and can be developed in almost any CAD-software.