

## **Abstract**

This thesis is devoted to the process of developing and designing a laser engraver based on the Arduino Mega 2560 microcontroller and the Ramps 1.4 expansion board. A 1 W laser module and two stepper motors from DVD drives were taken. All these components are located on a homemade aluminum case. We also chose the appropriate software to control the device and create command files for the correct movement of the laser module along a predetermined path.