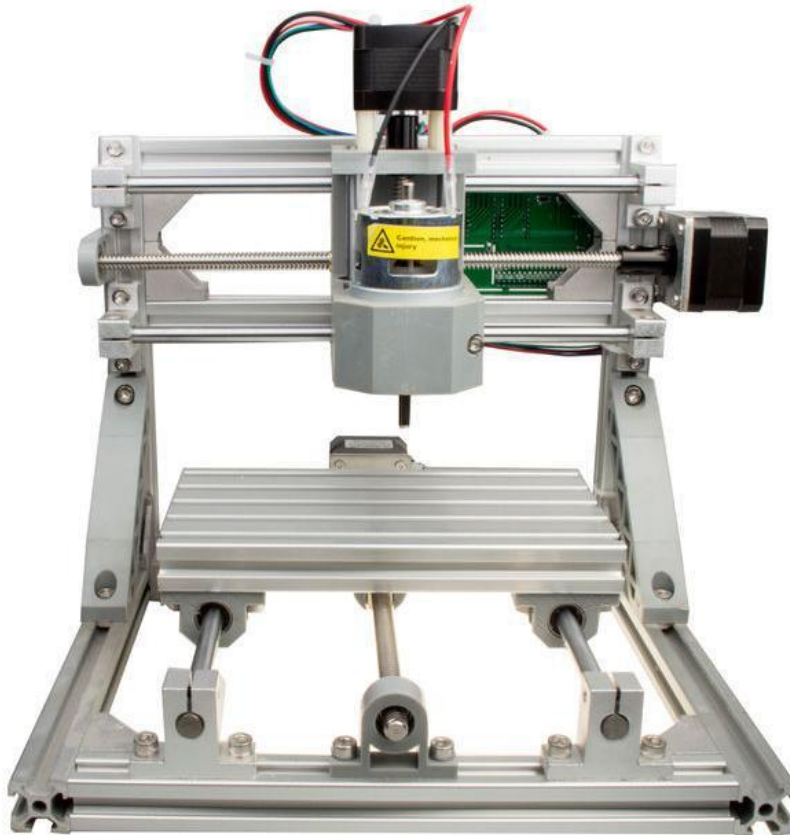# CNC Engraver – Assembled (108302018)



The mini 3 Axis CNC engraving machine is suited for non-metal processing such as plastic, acrylic, PVC, PCB, wood or similar material.

- USB Interface
- Open source GRBL control
- Grbl is a no-compromise, high performance, low cost alternative to parallel-port-based motion control for CNC milling.
- It will run on a vanilla Arduino (Duemillanove/Uno) as long as it sports an Atmega 328.
- Grbl includes full acceleration management with look ahead.
- That means the controller will look up to 18 motions into the future and plan its velocities ahead to deliver smooth acceleration and jerk-free cornering.
- The controller is written in highly optimized C utilizing every clever feature of the AVR-chips to achieve precise timing and asynchronous operation.
- It is able to maintain up to 30kHz of stable, jitter free control pulses.
- Accuracy: Repeat positioning accuracy is within 0.1mm under no-load.Engraving precision is dependent on the hardness of the material
- It accepts standards-compliant g-code and has been tested with the output of several CAM tools with no problems.
- Arcs, circles and helical motion are fully supported, as well as, all other primary g-code commands.