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(57) Abstract :

The aim is to fabricate a free rolling laser engraver using a micro controller like ATmega328P. By converting a required design into a G code with the help of affirm ware necessary like GRBL. According to our idea on fabrication of compact and cheap CNC Engraver is introduced to reduce complexity, cost and man power. The design and implementation of two-dimensional CNC router which can engrave 2D & Gray scaled images or pictures with help of high watt burning laser module on surface which can be a paper, wood, leather, plastic, foam. The new advancement is to engage free rolling in one axis so, that distance of machining increases. So, we aim to fabricate a laser engraver with Free rolling on one axis using Adriano UNO.

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