

Design of an engraving machine for common materials.

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Abstract: This topic focuses on designing and implementing an engraving machine system capable of operating efficiently on common materials such as paper, plastic, and metal. The context for proposing this new technology aims to meet the demand for rapid production and diverse imaging on various materials in the printing and advertising industry. The main objective is to build an automatic engraving and cutting system with high precision, saving time and costs compared to traditional methods. The research method combines computer theory and direct experimentation on materials to determine the optimal performance of the system. The expected outcome of this topic is a new technical solution that can significantly contribute to the modern printing industry, opening up many opportunities for sustainable development.

Keywords: Common material engraving machine, automation