Mechanical design and electrical equipment for a mini 3D printer

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Abstract: In the context of the growing development of 3D printing technology, this topic focuses on the mechanical design and electrical equipment for a mini 3D printer. The main objective is to build a 3D printing system with efficient and convenient operation. The research method includes a combination of mechanical design theory and electronic experimentation to optimize the 3D printing process. The expected result is to create a useful application solution, contributing to the personal manufacturing industry.

Keywords: Mechanical design, Electrical equipment, 3D printer, Print process optimization, Personal manufacturing