

Design of automatic bottle capping system

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Abstract: In the context of the increasing demand for bottle production in the food and pharmaceutical industries, designing an automatic bottle capping system has become an important issue. This project aims to build an automatic capping system capable of optimizing the production process and improving work efficiency. Through theoretical and experimental research, the project applies mechanical, electronic, and programming technologies to create a comprehensive solution. The expected result is the development of an automatic bottle capping system with high precision and wide applicability in manufacturing enterprises.

Keywords: Automatic bottle capping system, Mechatronics, Manufacturing technology, Automation programming