

Study the electronic component pin insertion system and accurate electronic component inspection for the IRISO factory (Hai Duong).

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Abstract: In the context of increasingly specialized industrial production, ensuring the quality of electronic components is an essential requirement to maintain the stable operation of production lines. This project aims to develop a precise pin insertion and electronic component inspection system for the IRISO factory in Hai Duong. Through a combination of theoretical research and experimentation, the project will present the design method for an automatic pin insertion system, while also proposing measures to improve accuracy during component inspection. The expected research results will provide an effective solution for optimizing the production process at the factory, thereby contributing to enhancing the company's competitiveness.

Keywords: Foot-closing system, Electronic component inspection, IRISO factory, Production optimization