

包装生产线 PLC 控制系统的设计

Design of PLC Control System
For Packaging Production Line

摘要

在当今现在社会的生产生活中离不开对产品的计数和包装，要是这些工作都交给人来做的话，不仅是一项繁重的工作而且还效率低且劳动强度还大，不适合现在社会发展的需要。

在这个飞速发展的新时代，社会在进步，科技在发展，一切都离不开生产效率。如果想在当今社会生存下去，就必须在现在社会加入改革创新的浪潮，利用科学技术来提高自己的生产力，给企业最少的成本来创造更多的价值，方能在当今让企业站稳脚跟，在现在社会都是逼着企业去创新。

为了满足企业对计数和包装的需要就必须设计一个完整的自动生产线，该控制系统具有代替工人繁琐的劳动，还能进一步加快现代化工业的发展，提高社会的经济，改善人们的生活水平。

本课题主要对包装自动生产线上的可编程控制器（PLC）进行研究，主要介绍可编程控制器（PLC）及其元件进行详细介绍。

关键词： 自动控制 PLC 设计包装

Abstract

In today's social production and life, we can't do without counting and packaging products. If these works are done by people, it is not only a heavy work, but also low efficiency and labor intensity, which is not suitable for the needs of social development.

In this new era of rapid development, the society is making progress, science and technology are developing, all of which are inseparable from production efficiency. If we want to survive in today's society, we must join the wave of reform and innovation in today's society, use science and technology to improve our productivity, and give enterprises the least cost to create more value, so as to make enterprises stand firm today. In today's society, enterprises are forced to innovate.

In order to meet the needs of enterprises for counting and packaging, it is necessary to design a complete automatic production line. The control system can replace workers' tedious labor, further accelerate the development of modern industry, improve social economy, and improve people's living standards.

This paper mainly researches on PLC in packaging automatic production line, mainly introduces PLC and its components in detail.

Key: words: automatic control PLC design packaging

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