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短文

高速铝板轧机液压厚调计算机控制系统研究

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摘要
本文给出了我国自行研制的并成功地应用于大型铝板冷轧机上的计算机控制液压厚调系统. 系统的工作原理及控制模型比较先进, APC系统响应速度快, 厚度控制精度高. 实际应用表明: 系统的软硬件工作稳定可靠, 操作简便, 经济效益显著, 可推广应用.

关键词 计算机控制 轧机控制 控制模型 厚度控制

分类号

The Computer Control System of Gauge Regulation Based on Liquid Press for High Speed Aluminium Plate Rolls

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Abstract
This paper introduces the computer control system of gauge regulation based on liquid press, which has been put successfully to practical use on a heavy aluminium plate cold-roll. It was designed and made in China. The principles and control models of the system are advanced. The response speed of APC system is fast. The control of gauge is of high precision. Applications show that both hardware and software of the system are stable and reliable, simple and convenient for operation. The economic benefit is remarkable and it is worth using in many other factories.

Key words Computer control roll control control model gauge control

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