

训练样本滑动窗和训练样本增量的方式对训练样本进行实时更新,将会进一步改善模型预测性能。

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首钢矿业公司球团厂智能配料系统投入运行

配料是球团矿生产的重要工序,配料质量的优劣直接关系到球团矿的生产效率、产品质量和整体经济的优劣。为了实现生产技术管理平台与工业自动化控制系统的有机结合,全面提高球团矿生产工艺的自动化、智能化水平,2011年5月首钢矿业公司计控室与球团厂的工程技术人员,针对球团生产的配料特点,共同研发了智能配料系统并投入使用。

首钢矿业公司球团生产智能配料系统现场采集实时数据并与原料的质量检验数据相结合,按照指定成品矿质量数据自动计算出各种原料的配加比例,配比数据自动进入 PLC 控制系统,实现了配料比例的自动修改和相关设备的自动连锁开/停机控制。该系统实际应用运行良好,保证了生产工艺和产品质量的稳定,使物料消耗逐步降低,经济效益不断提升,同时也为生产球团的回转窑、链蓖机、环冷机等主体设备智能控制目标的实现准备了条件。

(首钢矿业公司 办公室 刘承军)

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