MmePr09-025

Reducong Scrap Generation and Rework of Slaps Through Width Optimization in Continuous casting at ArcelorMittal Pecém

Meneses, A.D.(1); Campos, W.G.M.(1); Bastos, P.R.M.C.(1); Sousa, F.E.V.(1); Coelho, H.L.F.(1); Lopes, C.H.(1); Ferreira, H.C.(1); Uchoa, L.S.(1); Alves Junior, F.N.(1); Nascimento, A.M.(1);
(1) AMP;

The planning process of continuous casting has a significant influence on productivity, yield, and production costs. For sequencing materials with different widths, it is necessary to produce slabs with width changes, or with taper, to transition from the current width to the required width for the subsequent item without the need to interrupt the production sequence. To maximize productivity, yield, and reduce production costs at the ArcelorMittal Pecém, a simulator was developed to promote the production of different widths simultaneously in each of the strands of continuous casting of slabs, where a 49% reduction in the generation of slabs with width changes was achieved. Keywords: Planning and scheduling; Rework; Metal loss; Width change.