Abstract

In this paper, Quality is the prime concern for any industry to establish or remain in today's competitive market. Steel industries have 4-Hi reversible cold rolling Mills and
cold rolling trimming Line. The objective of trimming Line is to remove excess unwanted edgy material from cold rolled coils before galvanization process. Galvanizing lines has CGL-1 and CGL-2, which produces 20000 mt galvanized coils per annum. Galvanizing is the practice of immersing clean, oxide free steel in to molten zinc to form a protective coating over the metal. This Paper deals with the redesign and analysis of spindle shaft of scrap winder machine to recover all the problems found in existing condition. It includes analysis of existing gear box, present working conditions with the help of FEA approach. The paper will describe to improve the line continuity, up time and reduces the production loss, maintenance cost, delay time and chances of accidents.

References


Index Terms

Computer Science

Applied Sciences
Keywords
Scrap Winder Machine  Cold Rolling Trimmer Line  Gearbox  Spindle Shaft