

Steel Making and Rolling (Metalworking) Process & Applications, Rod and Bar Rolling, Hot Rolling mill, Plate Mill, Hot Strip Mill, Rolling Mill for Steel Bars

Description:

The steel industry has taken note of the continued growth in steel imports and a number of projects have been planned and are under implementation. It is estimated that in the next 2-3 years about 10 million tons of new steel capacity will be created. Finished steel products are broadly classified as flat products and long products. In rolling mills, intermediate steel products are given their final shape and dimension in a series of shaping and finishing operations. Most of the slabs are heated in reheating furnaces and rolled into final shape in hot- or cold-rolling or finishing mills. While some products (e.g. reinforcement bars, steel plates) only require hot-rolling, some others may require both hot- and cold-rolling (steel for cars and white-goods). The primary rolling mill for flat products is the hot strip mill. This mill by its inherent nature is of very high capacity, generally producing a minimum of 2 million tons per year. Recent development of the thin slab casting and rolling technique has given rise to mills of lower capacity of 1 million tons per year. These mills however are coupled to the steel making casting unit and cannot be set up on a standalone basis. Standalone Rolling /Processing Mills using purchased/imported inputs for production of long & flat rolled steel products including coated sheet products. The industry is currently operating at 70 per cent utilization of processing plants, and hopes that would be able to achieve full capacity utilization by the year-end.

Rolling of steel is one of the most important manufacturing processes for steel. It is usually the first step in the processing of steel after it is made and cast either in Ingot or continuous cast product in a steel melting shop.

For more details download PDF file.

Keywords: Best small and cottage scale industries, Business guidance for steel rolling industry, Business Plan for a Startup Business, Business plan for steel rolling mill, Business start-up, Fusion welding processes, Great Opportunity for Startup, Hot rolled steel properties, Hot rolling mill process, Hot Rolling Mill, Hot Rolling mill, Hot Strip Mill, How is Steel Produced, How to Start a Steel Production Business, How to start a successful steel rolling business, How to start steel mill industry, How t

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