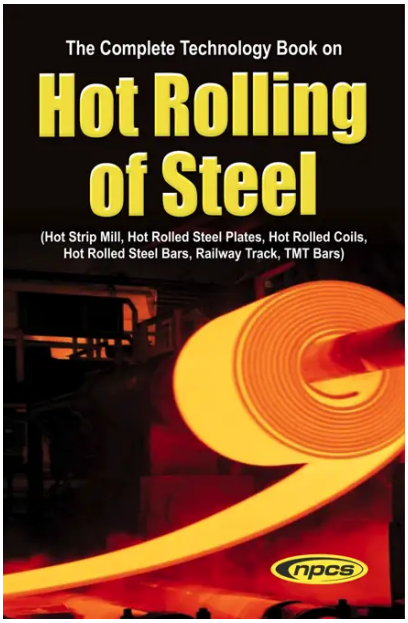
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The Complete Technology Book on Hot Rolling of Steel (2nd Edition)

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Description

The Complete Technology Book on Hot Rolling of Steel" is an essential guide for professionals working in the steel industry, particularly those involved in the rolling processes. Hot rolling is a key procedure in steel manufacturing where the metal is heated above its recrystallization temperature and then passed through rollers to achieve the desired shape and thickness. The Hot rolled steel refers to steel that has been rolled or formed at high temperatures, typically over 1,700°F (927°C). At these temperatures, the steel becomes more malleable, making it easier to shape and form into various products. The hot rolling process is one of the most common methods used in the production of steel.

The global steel market size was estimated at USD 1,469.04 billion and is projected to grow at a CAGR of 5.3%. The global steel market is anticipated to be driven by rising investments in construction activities. Infrastructure and construction extensively require massive amounts of steel to enhance the aesthetic appeal and corrosion resistance of the structure. Steel products offer high strength and are 100% recyclable, which makes them applicable in residential, commercial, and infrastructural applications. Growing investments in construction sector is anticipated to augment market growth.

In this Book several chapters focus on the specific processes within hot rolling, such as the hot strip mill, which is central to producing hot-rolled steel plates and coils. These sections provide insights into the manufacturing of steel plates, coils, and bars, which are essential products in construction, automotive, and various industrial applications.

The book covers a wide range of topics connected to hot strip mill, Hot Rolled Steel Plates Manufacturing, Hot Rolled Coils Production, Hot Rolled Steel Bars Production, Railway Track (Railroad Tracks) Manufacturing, TMT Bars Manufacturing, Rolling, Steelmaking Refractories, Overview of Steelmaking Processes and their Development, Structural Changes in Steel during Hot Rolling, Steel Heating for Hot Rolling, Thermomechanical Treatment Combined with Rolling, Oxygen Steelmaking Processes, Alternative Oxygen Steelmaking Processes, Refining of Stainless Steels. It also includes contact information for machinery suppliers, as well as images of equipment.

A complete guide on Hot Rolling of Steel manufacture and entrepreneurship. This book serves as a one-stop shop for everything you need to know about the Steel manufacturing, which is ripe with opportunity for manufacturers, merchants, and entrepreneurs. This is the only book that covers Production of Hot Rolling of Steel in depth. From concept through equipment procurement, it is a veritable feast of how-to

information.

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About Niir

NIIR Project Consultancy Services (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. Its various services are: Pre-feasibility study, New Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Preparation of Project Profiles and Pre-Investment and Pre-Feasibility Studies, Market Surveys and Studies, Preparation of Techno-Economic Feasibility Reports, Identification and Selection of Plant and Machinery, Manufacturing Process and/or Equipment required, General Guidance, Technical and Commercial Counseling for setting up new industrial projects and industry. NPCS also publishes various technology books, directories, databases, detailed project reports, market survey reports on various industries and profit making business. Besides being used by manufacturers, industrialists, and entrepreneurs, our publications are also used by Indian and overseas professionals including project engineers, information services bureaus, consultants and consultancy firms as one of

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