

Tyre Manufacturing Plant Project Report: Industry Trends, Manufacturing Process, Machinery, Raw Materials, Cost and Revenue

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Abstracts

A tyre is a strong, flexible rubber casing attached to the rim of a wheel. Tyres act as a cushion for the wheels of a moving vehicle and also impart a gripping surface for traction. Tyres can be found on all vehicles such as cars, trucks, buses, aircrafts, tractors, industrial vehicles, bicycles, motorcycles, etc. Tyres for most vehicles are pneumatic - which means that air is held under pressure inside the tyre. Initially, pneumatic tyres had an inner tube to hold the air pressure, but recent developments have enabled them to be designed to form a pressure seal with the rim of the wheel.

The first pneumatic tyre with an inner tube was invented by Robert Thomson in 1845 and later reinvented in the 1880s by John Boyd Dunlop, after which they became immediately popular. Tyre manufacturing today represents a multibillion dollar industry with large manufacturing plants across the globe producing more than 2.6 billion new tyres in 2014. The main raw materials required for producing tyres are natural rubber, synthetic rubber and carbon black. Sulphur and some other raw material are also required depending upon the type of tyre that is being manufactured. Although, with advancements in technology the tyre manufacturing process today has become highly automated, skilled workers are still required to assemble the components of a tyre.

The tyre industry can be broken into two key segments – the OEM and replacement sectors. The demand for tyres in the OEM sector is dependent on the sales trend of new vehicles, while the demand in the replacement sector is related to usage patterns and replacement cycles. Globally, the replacement tyre sector dominates the total tyre market. In terms of the various automobile segments, passenger cars currently account for the majority of the total global tyre sales. Passenger cars are followed by trucks. Region-wise, China currently represents the largest market for tyres. Driven by strong

economic growth, robust automobile sales and infrastructure developments, the tyre market in China has experienced double digit growth rates in the past five years. China was followed by Europe, the United States and Japan.

IMARC's latest study "Tyre Manufacturing Plant Project Report: Industry Trends, Manufacturing Process, Machinery, Raw Materials, Cost and Revenue" provides a techno-commercial roadmap for setting up a tyre manufacturing plant. The study, which has been done by one of the world's leading research and advisory firms, covers all the requisite aspects that one needs to know while making a foray into the tyre industry. This ranges from macro overview of the market to micro details of the industry performance, processing & manufacturing requirements, project cost, project funding, project economics, expected returns on investment, profit margins, etc. This report is a must-read for entrepreneurs, investors, researchers, consultants, business strategists, and all those who have any kind of stake in the tyre industry.

Key Questions Answered in This Report?

What are the key success and risk factors in the tyre industry?

How has the tyre market performed so far and how will it perform in the coming years?

What is the structure of the tyre industry and who are the key players?

What are the various unit operations involved in a tyre plant?

What is the total size of land required for setting up a tyre plant?

What are the machinery requirements for setting up a tyre plant?

What are the raw material requirements for setting up a tyre plant?

What are the utility requirements for setting up a tyre plant?

What are the manpower requirements for setting up a tyre plant?

What are the infrastructure costs for setting up a tyre plant?

What are the capital costs for setting up a tyre plant?

What are the operating costs for setting up a tyre plant?

What should be the pricing mechanism for various tyre products?

What will be the income and expenditures for a tyre plant?

What is the time required to break-even?

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