Cast iron is a group of iron-carbon alloys with a carbon content greater than 2%. Its usefulness derives from its relatively low melting temperature. The alloy constituents affect its colour when fractured: white cast iron has carbide impurities which allow cracks to pass straight through, grey cast iron has graphite flakes which deflect a passing crack and initiate countless new cracks as the material breaks, and ductile cast iron has spherical graphite "nodules" which stop the crack from further progressing.

Grey cast iron is characterised by its graphitic microstructure, which causes fractures of the material to have a grey appearance. It is the most commonly used cast iron and the most widely used cast material based on weight. Ductile cast iron has its graphite in the form of very tiny nodules with the graphite in the form of concentric layers forming the nodules. As a result, the properties of ductile cast iron are that of a spongy steel without the stress concentration effects that flakes of graphite would produce. Malleable iron starts as a white iron casting that is then heat treated for a day or two at about 950 °C (1,740 °F) and then cooled over a day or two. As a result, the carbon in iron carbide transforms into graphite and ferrite plus carbon (austenite). The slow process allows the surface tension to form the graphite into spheroidal particles rather than flakes.

The global Iron Castings market was valued at xx million US$ in 2018 and will reach xx million US$ by the end of 2025, growing at a CAGR of xx% during 2019-2025.

This report focuses on Iron Castings volume and value at global level, regional level and company level. From a global perspective, this report represents overall Iron Castings market size by analyzing historical data and future prospect. Regionally, this report categorizes the production, apparent consumption, export and import of Iron Castings in North America, Europe, China, Japan, Southeast Asia and India.

For each manufacturer covered, this report analyzes their Iron Castings manufacturing sites, capacity, production, ex-factory price, revenue and market share in global market. The following manufacturers are covered:

- Brakes India
- Dandong Foundry
- Grede
- Grupo Industrial Saltillo
- Hinduja Foundries
- Hitachi Metals
- OSCO Industries
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