

# Production of Ferro Molybdenum

## Description:

### Production of Ferro Molybdenum. Opportunities in Ferromolybdenum, Ferroalloys Industry

Ferromolybdenum is an alloy formed by combining iron and molybdenum. It is an extremely versatile alloy used primarily in high-strength low alloys and stainless steels. It has numerous beneficial properties and can be used even in cast irons, some high-speed tool steels, and superalloy applications. Adding ferromolybdenum to a material helps to improve weldability, corrosion and wear resistance as well to increase ferrite strength.

## Applications

The largest application area of ferromolybdenum is in the manufacture of ferrous alloys. Based on the range of molybdenum content, ferromolybdenum can be applied in the manufacture of machine tools and equipment, military hardware, refinery tubing, load-bearing parts and rotary drills.

Ferromolybdenum is also used in cars, trucks, locomotives and ships. Ferromolybdenum is added to stainless and heat-resisting steels that are used in synthetic fuel and chemical plants, heat exchangers, power generators, oil-refining equipment, pumps, turbine tubing, ship propellers, plastics and inside acid storage containers.

## Uses of Ferro Molybdenum

The largest practical applications of Ferro Molybdenum are its use in ferrous alloys, and depending on the molybdenum content range, it is suited for machine tools and equipment, military hardware, refinery tubing, load-bearing parts and rotary drills. Ferro Molybdenum is also used in cars, trucks, locomotives and ships. In addition, Ferro Molybdenum is used in stainless and heat-resisting steels that are employed by synthetic fuel and chemical plants, heat exchangers, power generators, oil-refining equipment, pumps, turbine tubing, ship propellers, plastics and inside acid storage containers. Tool steels, with a high percentage range of Ferro Molybdenum, are used in high-speed machining parts, cold work tools, drill bits, screwdrivers, dies, chisels, heavy castings, ball and rolling mills, rolls, cylinder blocks, piston rings and large drill bits.

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