

# Melting shop

## 01. Raw materials

Raw materials used are: carbon steel scrap, stainless steel scrap, and ferroalloys.

Special grades require the addition of molybdenum, titanium, etc.

## 02. Electric arc furnace

Raw materials are melted in an electric arc furnace (EAF). Once the melting process is finished, the liquid steel is poured to a ladle and the next step is the AOD.

## 03. A.O.D. (Argon Oxygen Decarburization)

The molten steel is refined in the converter. Carbon, silicon and sulphur are removed by blowing argon through the melt.

## 04. Continuous billet casting

Liquid stainless steel becomes solid. The billet continuous casting has four strands and the billet section is 200 x 200 mm.