OVERVIEW OF THE STEELMAKING PROCESS

Blast Furnace Steelmaking
- Iron Ore
- Pellets
- Sinter
- Limestone
- Coke
- Scrap

Blast furnace (Ironmaking)

Converter
(Steelmaking)

Ladle
(Refining)

Continuous casting

Electric Arc Furnace Steelmaking
- Pellets
- Iron Ore
- Coal/Natural Gas
- Direct reduction

Electric arc furnace
(Steelmaking)

Ladle
(Refining)

Plate

Hot-rolled and cold-rolled strip (Coils)

Hot-rolled bars

Rods

Tube rounds

Structural shapes

Bloom

Billet

Slab

Hot-rolled and cold-rolled strip (Coils)

Hot-rolled bars

Rods

Tube rounds

Structural shapes

Rails

Plate

Hot-rolled and cold-rolled strip (Coils)

Hot-rolled bars

Rods

Tube rounds

Structural shapes

Rails

The process shown above is illustrative only and is not designed to show the steelmaking process in detail. Not all steel plants produce all of the products shown in this diagram.