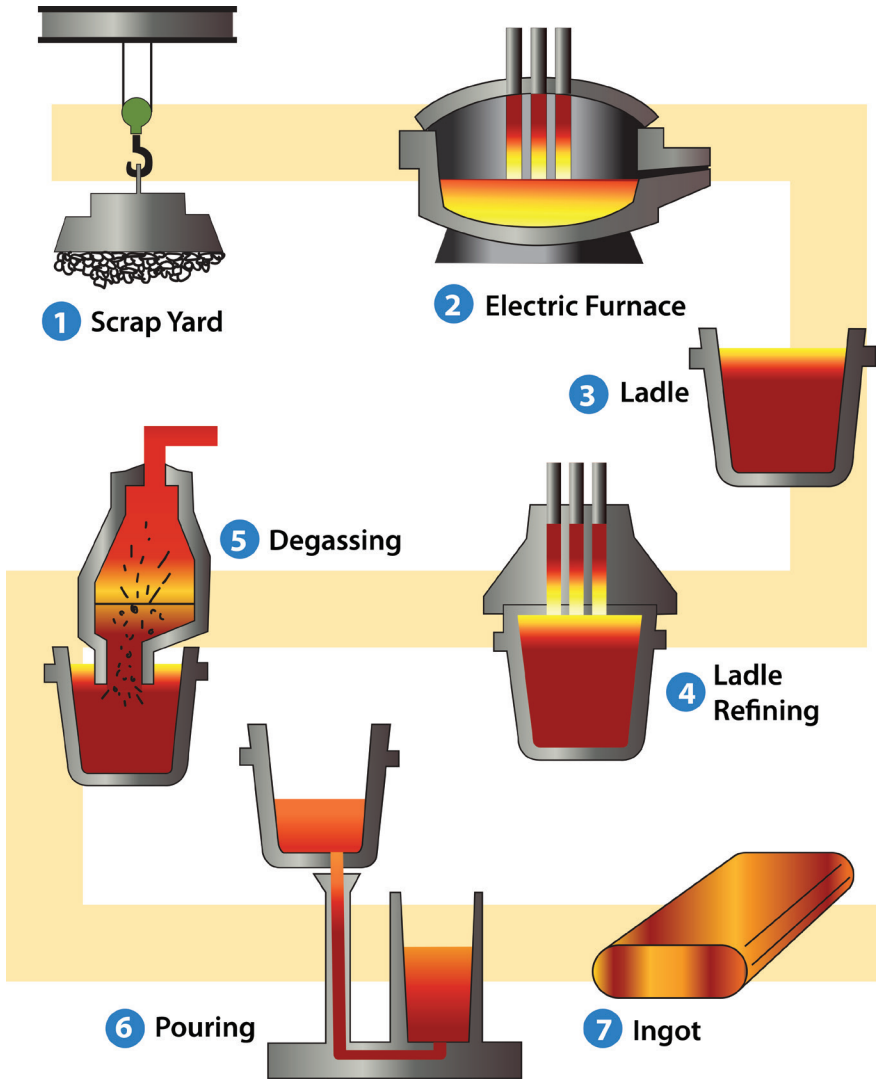


Steelmaking Process



Electric furnace

- ◆ Rigorous scrap selection
 - > **High Quality** > **Low Impurities**
- ◆ Removal of Phosphorus (<0.007%)
- ◆ Ultra low carbon liquid steel

Heated ladle refining

- ◆ Removal of sulfur (<0.002%)
- ◆ Chemical balance of alloying elements (C,Mo,Cr,Ni...)

Special degassing unit

- ◆ RH type, new investment and
- ◆ Low Hydrogen content < 1 ppm

Ingot casting

- ◆ Bottom-poured heavy ingots up to 130T
- ◆ Inverse mold for improved homogeneity