BLAST FURNACE

In order to separate the iron from the other elements of which the ore is composed, smelting is carried out in the blast furnace, which, thanks to the coal feed and regulation of the oxygen input, can reach a temperature of around 2000°C. In the blast furnace, the carbon released by combustion combines with iron to form pig iron, while the addition of limestone helps to melt impurities. At the end of the process, the slag, which floats on top of the cast iron, is ejected before the latter is taken out of the blast furnace.





