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en.wikipedia.org/wiki/Basic_oxygen_steelmaking

Basic oxygen steelmaking is a primary steelmaking process for converting the molten pig iron into steel by blowing **oxygen** through a lance over the molten pig iron ...
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A **basic oxygen furnace**, or **BOF**, creates steel from molten pig iron produced from iron ore in a blast **furnace**, together with up to 25 percent scrap steel.

[The Basic Oxygen Steelmaking \(BOS\) Process](#)

www.steel.org/.../The%20Basic%20Oxygen%20Steelmaking%20Process.aspx

Figure 1: Charging aisle of a **Basic Oxygen** Steelmaking Plant showing scrap being charged into the **BOF** vessel. A ladle full of hot metal is seen to the right.

[basic oxygen furnace \(metallurgy\) -- Encyclopedia Britannica](#)

www.britannica.com/EBchecked/topic/54970/basic-oxygen-furnace

The **basic oxygen furnace (BOF)** is a vessel used to convert pig iron, of about 94 percent iron and 6 percent combined impurities such as carbon, manganese, and ...

[Basic Oxygen Furnace \(BOF\) \[SubsTech\]](#)

www.substech.com/dokuwiki/doku.php?id=basic_oxygen_furnace_bof

The scheme of a **Basic Oxygen Furnace (BOF)** is presented in the picture. Typical **basic oxygen furnace** has a vertical vessel lined with refractory lining.

[What Is a Basic Oxygen Furnace? - wiseGEEK](#)

www.wisegeek.com/what-is-a-basic-oxygen-furnace.htm

Jan 23, 2014 · A **basic oxygen furnace (BOF)** is the machinery used for purification of pig iron by oxidizing impurities into slag and converting the rest into molten steel ...

[Basic Oxygen Furnace: Process Description](#)

www.heattreatconsortium.com/MetalsAdvisor/iron_and_steel/process...

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dictionary.reference.com/browse/Basic_oxygen_furnace

noun . a high-speed method of steelmaking in which **oxygen** of high purity is blown through an **oxygen** lance at high velocity onto the surface of a bath containing steel ...

[Making Steel In A Basic Oxygen Furnace - Beaver County](#)

www.bchistory.org/beavercounty/SteelMakingEtc/JakeLooneyMakingSteel...

Click Here to Return to Index. Making Steel In A **Basic Oxygen Furnace**. The iron that flows out of a blast **furnace** contains large amounts of carbon, left over from the ...

[Basic Oxygen Furnace | Industrial Efficiency Technology ...](#)

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Basic Oxygen Furnace (**BOF**) is a pear shaped vessel where the pig iron from blast **furnace**, and ferrous scrap, is refined into steel by injecting a jet high-purity ...

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