

## GT New Horizons

# Bricked Blast Furnace

The **Bricked Blast Furnace** (BBF) is a GregTech multiblock unlocked in the Steam Age. Its recipes are listed under the NEI "Primitive Blast Furnace". It is typically the first source of Steel Ingots, used for LV Machines and High Pressure Steam Age Machines. It can also increase the yield of certain metal oxides and sulfates (Pyrite, Magnetite, Cassiterite, etc.).



The Bricked Blast Furnace is running

## Construction

The Bricked Blast Furnace is constructed by laying a 3x3 foundation of the Firebricks followed by hollow ring of Firebricks above it with the Bricked Blast Furnace (Controller) on front center and another two hollow rings of Firebricks above it.

*Attention! Top center block of the Bricked Blast Furnace must be empty.*



Step 1. Foundation



Step 2. Ring with the Bricked Blast Furnace (Controller)



Step 3. Ring of the Firebricks



Step 4. Last layer

The BBF can be wallshared. However, it will only allow horizontal wallsharing. The section below explains this in more detail.

The formula for defining quantity of the Firebricks for 1xM versions:

$$N = \begin{cases} 32, & \text{if } M = 1 \\ 32 + 20(M - 1), & \text{if } M > 1 \end{cases}$$

- N - quantity of the Firebricks
- M - quantity of the Bricked Blast Furnaces (Controllers)

The formula for defining quantity of the Firebricks for 2xM versions:

$$N = \begin{cases} 84, & \text{if } 2M = 4 \\ 84 + 32(M - 2), & \text{if } 2M > 4 \end{cases}$$

- N - quantity of the Firebricks
- 2M - quantity of the Bricked Blast Furnaces (Controllers)



1x1 version of the Bricked Blast Furnace, requiring 32 Firebricks



1x2 version of the Bricked Blast Furnace, requiring 52 Firebricks



2x2 version of the Bricked Blast Furnace, requiring 84 Firebricks



2x3 version of the Bricked Blast Furnace, requiring 116 Firebricks

## Usage

The BBF is the only way to obtain steel in the Steam Age. It can also be used to obtain extra output from metal oxides and sulfates (Pyrite, Magnetite, Cassiterite, etc.). Doing this returns 3 ingots for every 2 dust.

## Fuels

- Coal Coke
- Coal
- Charcoal
- Charcoal Dust
- Coal Dust
- Coal Powder
- Cactus Coke
- Sugar Coke
- Block of Coal Coke
- Block of Charcoal
- Block of Coal
- Colored Block of Coal

Note that recipes that use the block form of fuel are typically more efficient; each block is made by compressing 9 fuel items, but often substitutes for 10 recipes (ex. 2 blocks of coal coke and 10 iron ingots can make 10 steel ingots, 20 coal coke and 10 iron ingots also makes 10 steel ingots).

## Byproducts

- Tiny Pile of Ashes
- Tiny Pile of Dark Ashes
- Ashes
- Dark Ashes

## Interface Breakdown

1. Input slot #1
2. Input slot #2
3. Fuel slot - *see full list of useable fuels above*
4. Progress bar - *can also be clicked to see all recipes available for the Bricked Blast Furnace*
5. Output slot #1
6. Output slot #2
7. Output slot for ashes - *a by-product created by all recipes*



Interface of the Bricked Blast Furnace Creating Steel Ingots

## Pollution

Each running BBF produces 200 pollution/s.

## Trivia

- There is lava inside the working Bricked Blast Furnace but it can't be pumped out.
- You can save 8 Firebricks by sharing the walls of the 2xM version instead of 1xM one.
- Although in the interface, input slot #1 has an ingot icon and input slot #2 features a dust icon, either slot can be used for either state of material and in some recipes blocks, such as sand, are used.
- The Steam Age blast furnace of choice used to be the Bronze Plated Blast Furnace, which has since been deprecated.

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