

Rotary Hearth Furnace (RHF)

Features

Advantages of Dust Recycling

1. Decreasing of Waste Emission

- Saving of waste disposal cost
- Extending landfill life

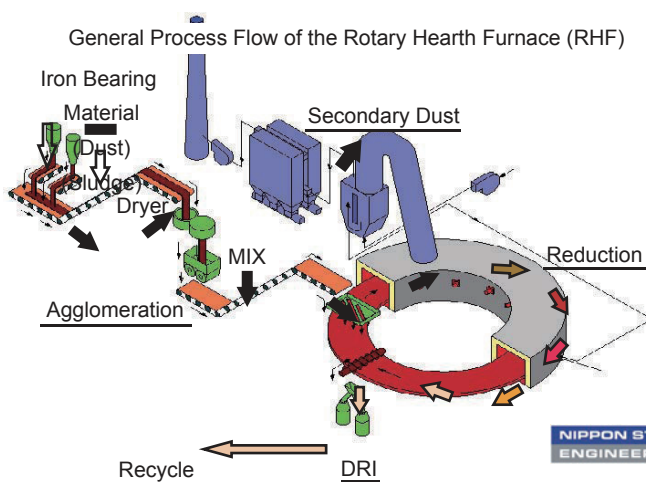
2. Recovery of Unused Resources

- Recycling Iron, Nickel, Zinc etc in Waste
- Utilizing carbon in waste for reduction

3. Improvement in Ironmaking Operation

- Increase in productivity
- Decrease in coke ratio by charging DRI to BF

Basic Concept or Summary



Installation in Practice or Schedule

Customer	Start up	Capacity dry-t/yr	Material	DRI recycling
NSSC HIKARI	May-01	30,000	Stainless dust and sludge	EAF
Nippon Steel Kimitsu	Dec-02	135,000	BF & BOF sludge etc.	Blast Furnace
Asahi Kyogyo	Jun-07	10,000	EAF dust	EAF
China Steel	Dec-07	130,000	BF & BOF sludge etc.	Blast Furnace
Nippon Steel Kimitsu	Mar-08	310,000	BF & BOF dust etc.	Blast Furnace
Maanshan Steel	Jul-09	180,000	BF & BOF dust etc.	Blast Furnace
POSCO JV Pohang	Sep-09	200,000	BF & BOF dust etc.	Blast Furnace
POSCO JV Gwangyang	Dec-09	200,000	BF & BOF dust etc.	Blast Furnace

Contact: Nippon Steel Engineering Co., Ltd., Steel Plant Marketing Dept., Plant & Machinery Division
Tel: +81-3-6665-2717 Fax: +81-3-6665-4847