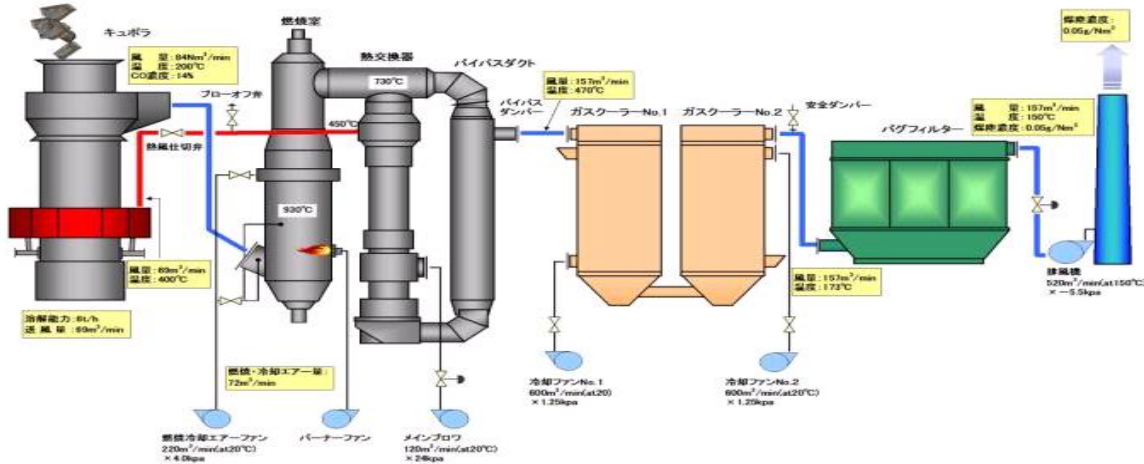


# Heat Exchanger

At the cupola furnace operation, exhaust the gas includes much carbon monoxide (CO) gas originated cokes.

By burning the CO gas collected through the filter, the gas is converted into so much heats. Then the generated heat is converted around 500-600°C hot blast and reused as hot blast air for burning energy for cupora furnace.

This recycle provides excellent effects of reducing cokes ratio and increace the melting efficiency. Of course the heat can be used as a heating system in the building or boiling water. From current test operation,



- Delivery Records
- <Year> <Company>
- 2001 Nippon Chutetsukan (Germany:Wurz Gmbh joint project)
- Toyota Industries, (Germany:Wurz Gmbh joint project)
- Hitachi Metals (Germany:Wurz Gmbh joint project)
- 2003 Kurimoto (Germany:Wurz Gmbh joint project), Riken (Germany:Wurz Gmbh joint project)
- 2004 Asago Industry, Tokai Foundry, NWS(Chine)
- 2005 Nippon Steel (Germany:Wurz Gmbh joint project)
- 2006 Hiyoshi Chuko, Toa Kohki
- 2007 Nissan Motor (Germany:Wurz Gmbh joint project)
- 2008 JFE Steel (Germany:Wurz Gmbh joint project), Nissan Motor
- 2009 IHI
- 2010 Oisei Foundry (Government project ;:Strategic development of new technological innovation)
- 2011 Koyama



Oisei



Hitachi Metal



Koyama