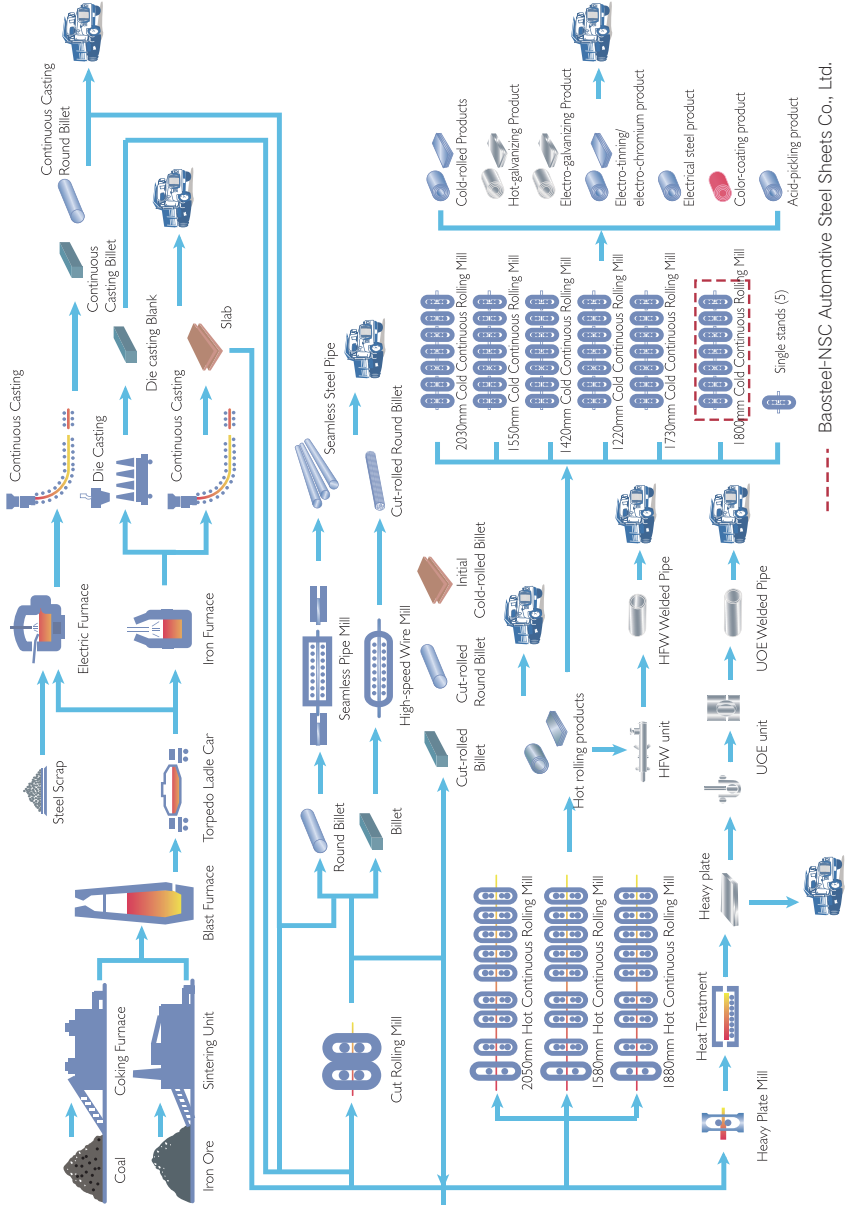


X. Production

Carbon Steel Process Flowsheet
Production Process Chart of Headquarters



--- Baosteel-NSC Automotive Steel Sheets Co., Ltd.

Main Equipment

Main Equipment	No.	Type	Initiating year (Major maintenance)	Productivity (million tons/ year)
Headquarters				
1# blast furnace	1	4966m ³	1985 (2008)	4.02
2# blast furnace	1	4707m ³	1991 (2006)	3.54
3# blast furnace	1	4850m ³	1994 (2013)	4.04
4# blast furnace	1	4747m ³	2005 (2014)	3.99
1# converter 300t	1	Top-bottom blowing	1985 (2007)	7.52
2# converter 300t	1	Top-bottom blowing	1985 (2007)	
3# converter 300t	1	Top-bottom blowing	1986 (2007)	
250t converter	2	Top-bottom blowing	1998	6.46
250t converter	1	Top-bottom blowing	2006	
150t EAF	1	Direct current arc double furnace	1996 (2006)	1.15
150t EAF	1	Alternating current electric arc furnace	2008	0.85
2050mm hot strip mill	1	2050mm	1989 (2014)	5.91
1580mm hot strip mill	1	1580mm	1996 (2013)	3.55
5000mm heavy plate mill	1	5150mm	2005 (2014)	2.04
1880 hot rolling mill	1	1880mm	2007	4.04
2030 hot rolling pickling line	1		1988 (2013)	2.90
2030 new hot rolling pickling line	1		2001	0.75
1220 hot rolling pickling line	1		2011	0.70
2030mm cold strip mill	1	2030mm	1988	2.55
1420mm cold strip mill	1	1420mm	1997	0.7786
1550mm cold strip mill	1	1550mm	2000 (2007)	1.40
1220mm cold strip mill	1	1220mm	1991 (2007)	0.69
1730mm cold strip mill	1	1730mm	2008	2.04
1800mm cold strip mill	1	1800mm	2005 (2012)	2.40
Silicon steel 1# single stand mill	1	1300mm	2008	0.085
Silicon steel 2# single stand mill	1	1300mm	2008	0.085
Silicon steel 3# single stand mill	1	1300mm	2011	0.085
Silicon steel 4# single stand mill	1	1300mm	2012	0.085
Silicon steel 5# single stand mill	1	1300mm	2013	0.085
High-speed wire rod mill	1	5-25mm, 120m/s	1999	0.40
Seamless tube	1	21.3-177.8mm	1985	0.50
Medium-diameter longitudinally welded pipe (HFW)	1	φ610	2005	0.30
Large-diameter longitudinally submerged arc welded pipe	1		2007	0.50

Meishan Steel

2# blast furnace	1		1280 m3	2004	1.07
4# blast furnace	1		3200 m3	2009	2.464
5# blast furnace	1		4070 m3	2012	3.27
1# converter	1		150T	1999	1.20
2# converter	1		150T	1999	1.20
3# converter	1		150T	2008	1.20
250t converter	2		250T	2012	4.10
1422 hot rolling mill	1	Six-stand 1422 hot rolling line		1994	3.00
1420 cold rolling mill	1	1420 pickling continuous hot rolling mill		2009	0.80
Hot rolling pickling line	1			2011	1.00
1780 hot rolling mill	1		1780mm	2012	4.00

Output

Unit: Kiloton

	2011	2012	2013	2014
Pig iron	23,776	22,075	21,220	20,988
Crude steel	26,641	22,996	21,996	21,529
Steel products				
Carbon steel	23,895	22,344	22,058	21,868
HRC				
Pickled coil	6,747	6,099	6,515	6,489
Heavy plate	2,286	1,675	1,145	1,265
CRC	4,852	4,430	4,276	4,322
Hot-dip galvanized steel	2,791	2,979	3,007	3,086
Electro-galvanized steel	801	784	769	762
Color-coated sheet	686	687	686	672
Tin plate	943	911	904	897
Chrome-coated sheet	168	156	183	180
Electric steel	1,242	1,330	1,331	1,495
Tube	1,546	1,494	1,536	1,477
Billet	867	909	981	721
High speed wire rod	585	545	499	502
Rebar	380	346	226	-
Stainless steel (Headquarters)	1,298	571	-	-
HRC	456	104	-	-
CRC	836	467	-	-
Special steel	946	185	-	-
Total of steel products	26,139	23,100	22,058	21,868