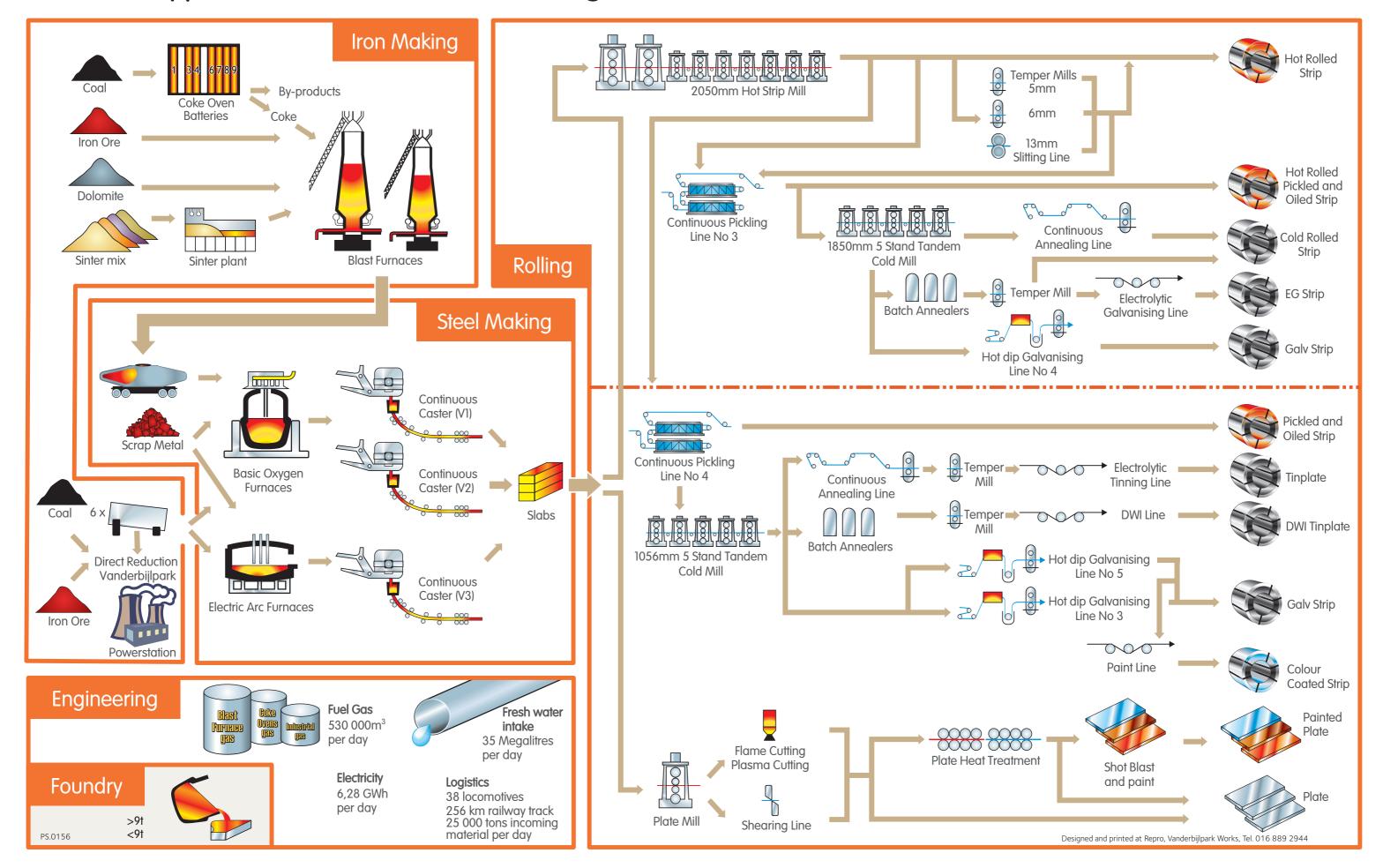
## ArcelorMittal

## Vanderbijlpark Works: Process Configuration



## Plant Capacities

Iron Making							
Description and number of plants	nber of plants	Commissioning Date	Monthly Capacity	Product	Plant Specifications		
Coke Oven Batteries	s 1 3,6,7 4,8,9	Oct 1951 - May 2009 Sep 1958 - Dec 1965 Oct 1975 - May 1986	19 550t 66 100t 63 650t	Market coke Metallurgical coke Metallurgical coke	Battery length Battery height Oven width	12,44m (Decc 3.962m 406mm	12,44m (Decommissioned 2009) 3.962m 406mm
Sinter Plant	⊗ N	Sep 1964 Nov 1971	122 200t 137 800t	Sintered iron ore Sintered iron ore	Strand area Strand area	120m² 132m²	
Blast Furnaces	VΔ	Nov 1964 - Nov 1996 Sept 1973 - Jul 2007	110 000t 150 000t	Liquid iron Liquid iron	Hearth diam/WV Hearth diam/wv	9,2m - 1626m³ 10,24m - 2162m³	n³ 52m³
Direct Reduction Plant	ant (Four Kilns) (Two Kilns)	May 1984 - Sep 1984 March 2009 - Jul 2009	87 500t 29200t	DRI	Kiln length Kiln diameter	80m Ste 4,8m Pov	Steam generator Power generator
Steel Making	б						
Description and number of plants	nber of plants	Commissioning Date	Monthly* Capacity	Product	Plant specifications		
Electric Arc Furnaces (3)	ss (3)	Sep 1970 - Feb 1976	120 000t	Liquid steel	Heat size	150t	
Basic Oxygen Furnaces (3)	ıces (3)	Jun 1974 - Mar 1975	250 000t	Liquid steel	Heat size	167t	
Continuous Casters (Twin strand)	(Twin strand) V1 V2	Sep 1976 Oct 1996	110 000t 160 000t	Steel slabs Steel slabs	Thickness Width Length	240mm 800-2 000mm 4-12m	٤
Continuous Caster (Twin strand)	(Twin strand) V3	May 1987	120 000t	Steel slabs	Thickness Max width Max length	240mm 900 - 1950mm 10,2m	Ε
Rolling							
Description and number of plants	nber of plants	Commissioning Date	Monthly* Capacity	Product	Thickness	Max Width	Max Coil or Plate Mass
3650mm Plate Mill		Mar 1961	40 000t	Hot rolled plate	5-100mm	3 220mm	7t
Plate Heat Treatment	nt	Feb 1973 - Oct 1979	4 000t	Normalised and quenched and tempered plate	6,0-80mm	3 200mm	7t
2050mm Hot Strip Mill (7 stand)	Mill (7 stand)	May 1974	300 000t	Hot rolled strip (HRC)	1,5-25,0mm	1 950mm	34t
Hot Strip Finishing	5mm Temper Mill 6mm Temper Mill 13mm Slitting Line	Nov 1975 May 1991 Jan 1975	50 000t 70 000t 13 000t	Tempered (Hot rolled coil) Tempered (Hot rolled coil) Slit and side trimmed HRC	1,5-5mm 1,5-6mm 3,8-10,0mm	1 900mm 1 950mm 1 950mm	34t 36t 36t
Continuous Pickling Line No. 3 North 1850mm	Line No. 3 North	May 1972	100 000t	Pickled and oiled HRC	1,6-5,0mm	1 850mm	27t
Tandem Cold Mill North (5 Stand)	orth (5 Stand)	Mar 1975	92 000t	Cold rolled sheet (CRN)	0,36-2mm	1 850mmm	27t
Continuous Annealing Line No.	ng Line No. 2 (North)	) May 1988	38 000t	Annealed CRN	0,40-2,0mm	1 450mm	27t
Batch Annealing		Mar 1975 - Dec 1994	28 000t	Annealed CRN	0,45-2,5mm	1 850mm	27t
No 4 Temper Mill		Nov 1974	32 000t	Tempered CRN	0,45-2,5mm	1 850mm	27t
Electrolytic Galvanising Line	sing Line	Apr 1992	11 700t	Electrogalvanised coil	0,45-2,0mm	1 600mm	27t
Description and number plants	nber plants	Commissioning Date	Monthly* Capacity	Product	Thickness	Max Width	Max Coil Capacity
Continuous Pickling Line No. 4 South	Line No. 4 South	May 1977	66 500t	Pickled and oiled HRC	1,6-4,0mm	1 225mm	27T
Tandem Cold Mill South (5 Stand)	outh (5 Stand)	Nov 1967	50 000t	CRS	0,19-0,67mm	1 050mm	27t
Continuous Annealing Line No. 1 South	ng Line No. 1 South	Jun 72	15 000t	Annealed CRC	0,20-4,0mm	940mm	27t
Batch Annealing		May 1966 - Dec 1966	20 600t	Annealed CRC	0,19-0,6mm	1 200mm	27t
Electrolytic Tinning Line	Line	Feb 1968	21 600t	Electrolytic tinplate	0,19-0,6mm	967mm	27t
DWI Line		Jun 1995	14 600t	Electrolytic tinplate	0,2-0,6mm	1 225mm	27t
Continuous Galvanising lines	No. 3 South No. 4 North No. 5 South	Dec 1969 Jul 1976 Sep 2006	17 800t 25 000t 9 500t	Hot-dip galvanised coil Hot-dip galvanised coil Hot-dip galvanised coil	0,3-3,0mm 0,4-1,6mm 0,16-0,6mm	1 225mm 1 600mm 1 050mm	27t 27t 15t
Colour Coating Line		Aug 1976	9 000t	Colour coated sheet	0,25-2,0mm	1 600mm	10t
*Note: The capacitie	es stated are for 24 h	*Note: The capacities stated are for 24 hours, 7 days a week operation. Not all facilities are operated as such.	tion. Not all faciliti	ies are operated as such.			

capacities stated are for 24 hours, 7 days a week operation. Not all facilities are operated as su