

2020 AIST Basic Oxygen Furnace Roundup

Roundup data is based on actual 2019 operating data.

Company and location	Type/product	Facility information			Converter information			
		Year of start-up/modernization	Furnace type	Annual capacity (million metric tons/year)	No. converters	New working volume (m ³)	Heat size (mt/heat)	Avg. campaign life (heats)

Argentina

Ternium Argentina San Nicolás, B.A.	Carbon/flat	1973	LD	3.1	3	156	216	3,950
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Australia

BlueScope Steel Ltd. Port Kembla Works Port Kembla, N.S.W.	Carbon, IF/ flat	1972	LD	3.2	2	220	280	6,200
InfraBuild (formerly Liberty OneSteel) Whyalla Steelworks Whyalla, S.A.	Carbon/long	1964	LD	1.2	2	100	130	3,200

Belgium

ArcelorMittal Europe Ghent	Carbon/flat	1967/1978/ 2013/2020	LD	5.6	2	240	330	3,500
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Brazil

ArcelorMittal Monlevade João Monlevade, M.G.	Carbon/long	1957/1985	LD	1.2	2	98	130	3,500
Tubarão Vitória, E.S.	Carbon/flat	1983	LD	7.5	3	220 (No. 1 and No. 2), 280 (No. 3)	315	4,200
Companhia Siderúrgica Nacional Presidente Vargas Steelworks Volta Redonda, R.J.	Carbon/flat	1977	LD	4.0	3	189	230	4,500
Gerdau Açominas Ouro Branco, M.G.	Carbon/flat, bar	1986	LD	4.5	2	186	224	5,000
Ternium Brasil Santa Cruz, R.J.	Carbon/flat	2010	LD	5.2	2	327	342	4,000
Usiminas Intendente Câmara No. 1 Ipatinga, M.G.	Carbon/flat	1963/1981	LD	1.1	3	58	75	2,722
Câmara No. 2 Ipatinga, M.G.	Carbon/flat	1975	LD	3.4	2	134	166	3,850
Vallourec do Brasil Belo Horizonte, M.G.	Carbon tube	1978*	LD	0.7	1	59	80	1,500

* = idled; AHSS = advanced high-strength steel; IF = interstitial-free; KOBM = combined blowing basic oxygen furnace;
Interested in becoming a member of the AIST Oxygen Steelmaking Technology Committee? Contact Brian Bliss at bbliss@aist.org.