

## 2022 AIST Basic Oxygen Furnace Roundup

Roundup data is based on actual 2021 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 <sup>3</sup> )	Heat size (mt/heat)	Avg. campaign life (heats)

### Argentina

<b>Ternium Argentina</b> San Nicolás, B.A.	Carbon/flat	1973	LD	3.2	3	156	216	3,850
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### Australia

<b>BlueScope Steel Ltd.</b> Port Kembla Works Port Kembla, N.S.W.	Carbon, IF/flat	1972	LD	3.2	2	220	280	6,200
<b>LIBERTY Primary Steel</b> Whyalla Steelworks Whyalla, S.A.	Carbon/long	1964	LD	1.2	2	100	130	2,800

### Belgium

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

<b>ArcelorMittal</b> 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
<b>Companhia Siderúrgica Nacional</b> Presidente Vargas Steelworks Volta Redonda, R.J.	Carbon/flat	1977	LD	5.6	3	189	230	4,500
<b>Gerdau Açominas</b> Ouro Branco, M.G.	Carbon/flat, bar	1986	LD	4.0	2	177	224	4,300
<b>Ternium Brasil</b> Santa Cruz, R.J.	Carbon/flat	2010	LD	5.2	2	327	342	4,000
<b>Usiminas Intendente</b> Câmara No. 1 Ipatinga, M.G.	Carbon/flat	1963/1981	LD	1.1	3	58	76	2,758
Câmara No. 2 Ipatinga, M.G.	Carbon/flat	1975	LD	3.4	2	132	167	4,276

### Canada

<b>Algoma Steel Inc.</b> Sault Ste. Marie, Ont.	Carbon/flat	1972/1973	LD	3.2	2	232	238	12,000
<b>ArcelorMittal Dofasco G.P.</b> Hamilton, Ont.	Carbon/flat	1978	KOBM	2.7	1	187	320	4,200
<b>Rio Tinto</b> Sorel-Tracy, Que.	Carbon/long, round	1986/2014	KOBM	0.6	1	80	115	1,800

\* = idled; AHSS = advanced high-strength steel; IF = interstitial-free; KOBM = combined blowing basic oxygen furnace; KR = Kanbara reactor desulfurization; Interested in becoming a member of the AIST Oxygen Steelmaking Technology Committee? Contact Brian Bliss at [bbliss@aist.org](mailto:bbliss@aist.org).