2025 AIST Basic Oxygen Furnace Roundup

AIST Roundup data is based on information submitted in the third quarter of 2024. Data is supplied by the AIST Oxygen Steelmaking Technology Committee and is intended for reference information only. No warranty is implied. Please send updates or corrections to Brian Bliss at bbliss@aist.org.

Company and location	Product	Year of start-up/modern-ization	Furnace type	Annual capacity (million metric tons/year)	No. of converters	New working volume (m^3)	Heat size (mt/heat)	Avg. campaign life (heats)
Argentina								
Ternium Argentina San Nicolás, BA	Carbon/ flat	1973/ 2015–2016	LD	3.2	3	156	216	3,850
Australia								
BlueScope Steel Ltd. Port Kembla Works Port Kembla, NSW	Carbon, IF/flat	1972	LD	3.3	2	220	280	6,500
Liberty Primary Steel Whyalla Steelworks Whyalla, SA	Carbon/ long	1964	LD	1.2	2	100	130	2,800
Belgium								
ArcelorMittal Europe Gent, Belgium	Carbon/ flat	1967/2020	LD	5.6	2	240	330	3,500
Brazil								
Aços Verdes do Brasil (AVB) Açailândia, MA	Carbon/ coil, bar	2015	LD	0.8	1	42	65	10,000
ArcelorMittal Monlevade João Monlevade, M.G.	Carbon/ long	1957/1985	LD	1.2	2	98	130	4,300
Pecém São Gonçalo do Amarante, CE	Carbon/ flat	2016	LD	3.0	2	270	315	—
Tubarão Vitória, E.S.	Carbon/ flat/ULS/ ULH/BH	1983	LD	7.5	3	220 (No. 1 and No. 2), 280 (No. 3)	315	4,200
Companhia Siderúgica Nacional (CSN) Presidente Vargas Steelworks Volta Redonda, R.J.	Carbon/ flat	1977	LD	5.6	3	189	228	4,500
Gerdau Gerdau Açominas Ouro Branco, MG	Carbon/ flat, bar	1986	LD	4.0	2	177	224	4,300
Gerdau Barão de Cocais Barão de Cocais, MG	Carbon/ bar	1979/2000	LD	0.3	1	23	30	4,000

⊘ idle AHSS • advanced high-strength steel BH • bake hardenable CRML • cold roll motor lamination IB • in-blow drop sensor (bomb) IF • interstitial-free KOBM • combined blowing basic oxygen furnace KR • Kanbara reactor desulfurization