

2021 AIST DRI and HBI Roundup

AIST Roundup data is based on information submitted in the third quarter of 2020.

Company and location	Start-up year	Module	Rated capacity MTPA	Technology	Product type	CO ₂ removal	Typical product metallization, %	Typical product carbon, %	Product use
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Argentina

ArcelorMittal Acindar SA Villa Constitucion, Santa Fe	1978	1	0.60	Midrex	CDRI	No	94.0	2.5	Captive
Tenaris Siderca Siderca Seamless Tubes Mill Campana, Buenos Aires	1976	1	0.61	Midrex	CDRI	No	95.0	2.4	Captive

Brazil

Gerdau Usiba Salvador, Bahia	1991	1*	0.30	HYL III	CDRI	Yes	93.0	2.8	Captive
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Canada

ArcelorMittal Montreal Contrecoeur, Que.	1973	I	0.40	Midrex	CDRI	No	94.7	2.2	Captive
	1977	II	0.60	Midrex	CDRI	No	94.8	2.2	Captive

Germany

ArcelorMittal Hamburg	1971	—	0.4	Midrex	CDRI	No	95	2.2	Captive
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Mexico

ArcelorMittal Lázaro Cárdenas Lázaro Cárdenas, Mich.	1997	I	1.20	Midrex	CDRI	No	95.0	2.5	Captive
	1988	II A	0.50	HYL III	CDRI	Yes	94.0	2.6	Captive
	1988	II B	0.50	HYL III	CDRI	Yes	94.0	2.6	Captive
	1991	III A	0.50	HYL III	CDRI	Yes	94.0	2.6	Captive
	1991	III B	0.50	HYL III	CDRI	Yes	94.0	2.6	Captive
Ternium Mexico S.A. de C.V. Puebla, Pue.	1995	2P5	0.93	HYL III	CDRI	Yes	94.2	3.0	Captive
Monterrey, N.L.	1983	3M5	0.78	HYL-ZR	CDRI	Yes	94.5	3.8	Captive
	1998	4M	0.95	HYL-ZR	HDRI	Yes	94.8	3.8	Captive

Russia

JSC Lebedinsky GOK Gubkin, Belgorod Oblast	1999	I	0.9	HYL	HBI	Yes	94	1.2	Merchant
	2007	2	1.4	Midrex	HBI	No	94	1.4	Merchant
	2017	3	1.8	Midrex	HBI	No	94	1.4	Merchant
OEMK Stary Oskol, Belgorod Oblast	1983	I	0.4	Midrex	CDRI	No	94	2.3	Captive
	1985	II	0.4	Midrex	CDRI	No	94	2.3	Captive
	1985	III	0.4	Midrex	CDRI	No	94	2.3	Captive
	1987	IV	0.4	Midrex	CDRI	No	94	2.3	Captive

*idle

CDRI = cold direct reduced iron; HBI = hot briquetted iron; HDRI = hot direct reduced iron

Interested in becoming a member of the AIST DRI Technology Committee? Contact Anna Voss at avoss@aist.org.