

Zinc/Zinc-Alloy/Aluminum Continuous Sheet Coating Lines - North America

Colour Code → Operating HD Lines

EG Lines

Under Construction

Idle Lines

INCH-POUND VERSION
(Calculates sizes and tons from CoatingLinesSI sheet)

Producer	Location	Line ID	Date Built	Latest Rebuild	Thickness (in)		Width (in)		Furnace Type(*)	Annual Hot-Dip Capacity - 1000's of short tons (k ST)						Total Company Hot-Dip - ST	Annual EG Capacity - k ST				Roll	Annual Zinc Usage - ST	Comments		
					Min	Max	Min	Max		GI only	GA/GI	AZ	GF	AL, Al-Si	Combi.		Total	Zn	Zn-Ni	Zn-Fe				Total	
ArcelorMittal	ArcelorMittal Dofasco G. P., Hamilton, ON	No.3	1967	2005	0.01	0.0	24	52.01	H-DFRT	-	243	-	-	-	-	243	2,567	-	-	-	-	Cr6 CT	13,000	Gas fired GA furnace installed 1989	
		No.4	1981	2016	0.01	0.09	24	60.51	H-DFRT	110	-	150	-	-	-	260		Acrylic, Cr6 CT	7,000	Dual pots, cleaner for FH AZ, CMI Blowstab APC; new cleaner; furnace upgrades; new cto. Pot hardware: dual roll coater					
		No.5	1999	2003	0.02	0.1	34	72	V-RT	-	540	-	-	-	-	540		8,000	Originally "DSG", a Dofasco/Sollac 80/20 JV; exposed GI & GA; AHSS						
		No.6	2014	-	0.04	0.2	24	65	H-DFRT	-	717	-	-	-	-	717		Cr6 CT	9,000	Began operating 2015 (GI, GA, HR HDG, AHSS)					
	ArcelorMittal Windsor Windsor, ON	No.1	1993	2017	0.02	0.1	24	72.01	V-DFRT	-	485	-	-	-	-	485		Prephos + Cr3, Cr6	7,000	100% AM Dofasco 2013, formerly JV with JFE Steel; formerly DNN Galvanizing renamed DJ Galvanizing Corp. in '04; premelt pot '97					
	AM Coteau-du-Lac Coteau-du-Lac, PQ	No.1	1991	1995	0.01	0.1	24	54.02	H-DFRT	-	254	-	-	-	-	254		8,000	Formerly Sovreco; 1kg dtg wt golf ball finish; induction GA, Cr3 & Cr6 CT,						
AM/NS Calvert (JV of Arcelor Mittal Steel and Nippon Steel Corp.)	Calvert (Mobile), AL	HDGL1	2011	2015	0.02	0.1	36	73.62	V-RT	-	551	-	-	-	-	551	1,676	-	-	-	-	Pre-phos	-	GI, (Zn-Al-Mg?), GA; DEMCO e-mag stabilizer; 2 main pots; side trim; Drever furnace w/oxidation control chamber	
		HDGL3	2012	2017	0.02	0.1	31	65.75	V-RT	-	551	-	-	-	-	551		GI, GA (likely begins production 2014, after sale-included in totals); 2 main pots							
		HDGL4	2011	2014	0.01	0.1	31	65.75	L-DFRT	243	-	-	-	331	-	573		GI, 55Al-Zn until 2013, Al-Si, CMI-EFCO; side trim; 2 main pots, 1 pre-melt; space for future 3rd main+pre-melt. Alum. announced Apr.'16							
Big River Steel (JV BRS & U. S. Steel)	Osoeola, AR	HDGL	2016	-	0.01	0.1	35	72.83	V-DF, H-RT	524	-	-	-	-	-	524	524	-	-	-	-	-	13,000	Construction line, SMS-Seimag, Drever, Fontaine; 49.9% U. S. Steel as of 10-31-19; can operate as a combination CAGL	
Cleveland-Cliffs Inc.	AK Steel, Ashland, KY	No.3	1967	1982	0.02	0.1	24	60	V-DFRT	-	0	-	-	-	-	0	5,308	-	-	-	-	-	0	IDLE 11/11/2019: Induc. GA; N2 wipe; 336k MT/yr cap.; 14.3k T Zn use	
	Burns Harbor, IN	HDCL	1992	-	0.02	0.1	36	72.01	V-RT	-	606	-	-	-	-	606		Prephos, CT	20,000	Induction GA; roll coater; entry & exit auto inspection					
	Cleveland, OH	HDGL	2006	2013	0.02	0.1	39	72.05	V-DFRT	-	717	-	-	-	-	717		CT	25,000	Converted 1000 fpm LTV CAL to auto CGL; added GA '07; electromag. Stabilizer					
	Columbus, OH	HDGL	2000	2005	0.02	0.1	31	72.01	V-RT	-	441	-	-	-	-	441		Prephos	22,000	L-S II EG line converted to CGL; 100% GA, 2 main pots + pre-melt; e-mag stabilizer					
	Dearborn, MI	HDGL	2011	2016	0.02	0.1	36	72.01	V-RT	-	500	-	-	-	-	500		Pre-phos	12,000	Exposed GI, GA; NexMet™ AHSS; Severstal NA up to 2014					
	Indiana Harbor-West, East Chicago, IN	No.2	1963	2016	0.01	0.2	24	72	H-DFRT	-	614	-	-	-	-	614		-	32000	Gas fired GA; horizontal fce.; 577k MT cap.; 28.8 kT Zn					
	Indiana Harbor-East, East Chicago, IN	5 CGL	1968	2004	0.02	0.1	24	72	H-RT	-	0	-	-	-	-	0		-	0	IDLE - Gas fired GA; hot bridge & new RT furnace 1997; ceramic tubes; formerly ISPAT-Inland; 376 kMT cap.					
	AK Steel Middletown, OH	No.2 EG	1991	1995	0.02	0.1	32	74.8	NA	-	-	-	-	-	-	-		500	500	-	-	-	-	11,000	Gravitel process; 21 plating cells
		No.3	1961	2002	0.02	0.1	32	74.02	H-RRRT	560	-	-	-	-	-	560		-	-	-	-	-	-	24,000	Nitrogen wiping; not automotive exposed
No.4		1971	-	0.01	0.1	24	62.01	V-DFRT	-	-	-	-	470	-	470	-	-	-	-	-	-	0	2 coreless pots; Aluminized type I, II on C-steel & 40x stainless		
AK Steel, Rockport, IN	CGL	1998	2003	0.02	0.1	41	80	V-RT	-	1,000	-	-	-	-	1,000	-	-	-	-	Prephos	32,000	Max speed 750 fpm, coil wt. 70,000 lb.; Widest N.A. Ctg line			
California Steel Industries (CSI)	Fontana, CA	No.1	1966	1999	0.01	0.2	24	60	H-DFRT	-	474	-	-	-	-	474	805	-	-	-	-	-	13,000	Subsidiary of JFE Steel and CVRD.	
	No.2	1998	-	0.01	0.1	24	52.01	V-DFRT	-	331	-	-	-	-	331	-									
Galvasid (Grupo Ind. L.M.)	Apodaca, NL, Mexico	No.1	2005	-	0.01	0.07	24	60	V-DFRT	120	-	120	-	-	-	240	240	-	-	-	-	-	-	-	
Gregory Industries	Canton, OH	No.1	1980	2018	0.03	0.18	2	19.49	L-IND	-	145	-	-	-	-	145	145	-	-	-	-	-	7,000	Cold line with preheat induction furnace; thick ctgs, no cut edge	
I/N Kote (JV of Cleveland-Cliffs & Nippon Steel)	New Carlisle, IN	KCGL	1991	2004	0.01	0.1	24	72.01	V-RT	-	500	-	-	-	-	500	250	-	-	-	Prephos	8,000	In-line side trimmer; exposed GA; all GA		
		EG	1991	-	0.02	0.1	24	72.01	NA	-	-	-	-	-	-	-	400	-	-	400	-	7,000	24 Gravitel plating cells; Ni flash in 25th		
Materials Science Corp. (MSC)	Canfield Metal Coating (CMC), Canfield, OH	EG	1957	2003	0.01	0.1	24	47.99	NA	-	-	-	-	-	-	-	66	-	-	-	66	Organic & inorganic	1,000	Orig. Wheeling-Pittsburgh until 2001; acquired by New Star Metals Jul-2013	
	Electric Coating Technologies (ECT), East Chicago, IN	EG	1996	-	0.01	0.09	24	72.01	NA	-	-	-	-	-	-	-	200	-	-	200	-	-	-	Able to coat UHSS up to 1585 MPa (230 ksi) yield strength; acquired by Insight Equity 2012; started as Metro Metals, 1996	
	Rexdale (Toronto), ON	No.1 EG	1968	-	0.01	0.08	14	60	NA	-	-	-	-	-	-	-	45	-	-	45	-	-	1,000	Can coat UHSS YS up to 1517 MPa (220 ksi)	
	Walbridge, OH	No.1 EG	1986	-	0.02	0.1	24	72.01	NA	-	-	-	-	-	-	-	290	110	-	400	Organic	8,000	Formerly Materials Sciences; was JV with ArcelorMittal, Gravitel plating process, 20 cells; can coat 1000 MPa AHSS		
National Galvanizing L.P.	Monroe, MI	No.1	1984	2017	0.06	0.25	24	47.99	H-DFRT	-	225	-	-	-	-	225	225	-	-	-	-	-	11,000	Push/Pull line - POG only, induction GA	
NMLK Pennsylvania	Sharon, PA	No.2	1998	-	0.01	0.1	24	60	L-DFRT	276	-	-	-	-	-	276	304	-	-	-	-	-	-	11,000	NMLK since 2011; formerly Sharon Coating, a 2008 JV of Duferco-Novolipetsk (NMLK) and Severstal; in past was Winner Steel
		No.3	2004	-	0.02	0.1	24	72.01	L-DFRT	-	500	-	-	-	-	500		-							
Nucor Steel	Nucor Steel Arkansas, Blytheville (Hickman), AR	No.1	1999	-	0.01	0.1	30	62.01	H-DFRT	600	-	-	-	-	-	600	3,252	-	-	-	-	-	-	22,000	Construction, HVAC
		No.2 CAGL	1H 2021	-	0.23	2.70	890	1900	V-DFRT	-	-	-	-	-	-	0		-	-	-	-	-	-	-	-
	Nucor Steel Berkeley, Huger, SC	No.1	1998	2007	0.01	0.1	30	65.98	V-DFRT	-	700	-	-	-	-	700		-	-	-	-	Acrylic	16,000	Robot skimmer; roll coater	
	Nucor Steel; possibly Berkeley*																								

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					Min	Max	Min	Max		GI only	GA/GI	AZ	GF	AL, Al-Si	Combi.		Total	Zn	Zn-Ni	Zn-Fe				Total	
Nucor Steel Decatur LLC, Trinity, AL	Nucor Steel Gallatin, Shent, KY	No.1	2009	-	0.02	0.2	30	72.01	V-RT	-	600	-	-	-	-	600	-	-	-	-	-	20,000	Electromagnetic stabilizer		
		No.1	2019	-	TBA	0.25	TBA	72.99	H4ND-HTC	-	500	-	-	-	-	Pickle	500	-	-	-	-	-	-	Combined hot band pickling & vertical galvanizing; started coating 9/27/2019	
		No.1	1993	-	0.01	0.1	30	52.99	H-DFRT	351	-	-	-	-	-	-	351	-	-	-	-	11,000	Construction & appliance; coats Castrip Siskilled steel		
Nucor Steel Indiana, Crawfordsville, IN	Silao, Guanajuato, Mexico	No.1	2020	-	0.02	0.1	31	72.83	V-RT	-	441	-	-	-	-	441	441	-	-	-	-	-	GI & GA automotive quality; start 5 Mar. 2020		
POSCO Mexico	Altamira, Mexico	CGL 1	2009	-	0.02	0.1	31	74.8	V-RT	-	441	-	-	-	-	441	-	-	-	-	-	17,000	Exposed GA, GI and AHSS; premill pot		
		CGL 2	2014	-	?	?	?	?	V-RT	-	551	-	-	-	-	551	-	-	-	-	-	17,000	Start Jan. 2014; exposed GI & GA; AHSS 780; premill pot		
Precoat Metals	Elkridge, MD	EG	?	?	0.01	0.1	20	49.76	NA	-	-	-	-	-	-	0	71	-	-	71	-	-	Chesapeake Finished Metals (Precoat Metals division of Sequa); 2.90 sq. in max crss-section for EG		
Steel Dynamics Incorporated (SDI)	Butler, IN	No.1	1997	2018	0.04	0.2	36	62.01	H-DFRT	-	600	-	-	-	-	600	-	-	-	-	-	15,000	2017 added cleaner, CR substrate to HRP, hot bridge, upgrades to Fce., molars, capacity increase		
		No.2	1997	-	0.01	0.1	36	62.01	H-DFRT	-	360	-	-	-	-	360	-	-	-	-	-	15,000	CR substrate		
	Columbus, MS	No.1	2007	-	0.01	0.1	36	72.01	V-RT	-	450	-	-	-	-	450	-	-	-	-	-	12,000	SMS-Siemag (former SeverCorr line)		
		No.2	2011	2016	0.02	0.1	36	72.01	L-DFRT	180	-	-	-	-	-	180	-	-	-	-	-	10,000	Added 55Al-Zn capability to former SeverCorr GI-only line		
		CGL 3	2020	-	0.01	0.16	36	72.01	H-DFRT	400	-	-	-	-	-	400	-	-	-	-	-	10,000	Began production July 2020, including Al-Si Type 1 aluminized		
	Jeffersonville, IN	-	1999	2007	0.01	0.0	35	60	H-DFRT	100	-	200	-	-	-	300	-	-	-	-	Acrylic	7,000	2007: added AZ pot 2; N-R roll coater; former GalvPro JV		
	Sinton (Corpus Christi), TX	No. 1	2021	1900	0.01	0.2	0	75.98	H-DFRT	-	441	110	-	-	-	551	-	-	-	-	Cr & Acrylic	15,000	SMS, Dreyer, space future fast cool AHSS; 2 pots-Z, AZ, DumaBandZnk; 2 hot coaters; https://www.sms-group.com/press-media/press-releases/press-detail/thinking-and-producing-in-new-dimensions-1213/		
	Terre Haute, IN	No.1	1999	-	0.01	0.1	34	72.99	L-DFRT	351	-	-	-	-	-	351	-	-	-	-	-	-	Construction line. Until 2018, a subsidiary of Companhia Siderurgica Nacional. Prior to 2001 was Heartland Steel.		
	GalvTech Hays, PA	No.1	1996	2011	0.01	0.0	24	60	H-DFRT	460	-	-	11	-	-	471	-	-	-	-	Acrylic	25,000	Commercially produces GALFAN; upgrades: electro-mag stabilizer, automated inspection		
	MetalTech Pittsburgh, PA	No.1	1961	1994	0.04	0.1	24	47.99	H-DFRT	351	-	-	11	-	-	362	-	-	-	-	Acrylic	18,000	Commercially produces GALFAN		
NexTech Turtle Creek, PA	No.1	1990	-	0.01	0.0	24	42.01	H-DFRT	170	-	-	-	-	-	170	-	-	-	-	Acrylic	7,000	Roll coater			
Steelscape (NS BlueScope Coated Products)	Rancho Cucamonga, CA	No.1	1995	1996	0.01	0.0	26	50	V-DFRT	-	-	220	-	-	220	-	-	-	-	Acrylic, limited resin	3,000	Owned by NS BlueScope Coated Products, a JV between Nippon Steel and BlueScope Steel			
	Kalama, WA	No.2	1997	-	0.01	0.0	24	52.01	V-DFRT	211	-	-	-	-	211	-	-	-	-	Yes	7,000				
Steelco	Hamilton, ON	No.3	1968	1997	0.01	0.0	30	50.01	L-DFRT	200	-	-	-	-	200	-	-	-	-	-	-	9,000	Selas vertical NOx furnace line; nitrogen wiping		
		Z-Line	1991	2006	0.02	0.1	40	72.01	V-RT	-	500	-	-	-	-	500	-	-	-	-	-	19,000	Orig. JV with Metal One 40%; at start a CGL-CAL Combo; world's biggest pot - 390 MT, first robot skim; nitrogen wiping		
Tata Steel Plating	Apollo Metals, Bethlehem, PA	#3	24851	1997	0.01	0.0	30	55.98	L-DFRT	-	-	-	-	-	0	0	55	-	-	55	-	-	Cu, brass, Ni, Cr plated CRS strip products; pre-finished non-ferrous metals; developer of ElectroJet technology; est., actual published prod. Capacity n/a		
	Thomas Steel Strip Corp., Warren, OH	-	1920	-	0.00	0.1	0	28.5	NA	-	-	-	-	-	-	-	0	88	-	88	-	-	Zn-Ni, Ni electroplating; est. production capacity, actual published n/a		
Tenigal SRL de CV	Pesqueria (Monterrey), NL, Mexico	Tenigal 1	2013	-	0.02	0.1	28	72.83	V-RT	-	441	-	-	-	441	-	-	-	-	-	L-treatment	17,000	Sept., 2013 startup; 51% Ternium, 49% NSSMC; Exposed & AHSS to 980; 2 pots (GI, GA); \$300M facility		
		Tenigal 2	2019	-	-	-	-	-	TBA	-	474	-	-	-	-	474	-	-	-	-	-	-	\$300M investment announced April 2016		
Ternium SRL de C.V.	HYSLA-GALVAK San Nicholas de los Garza, NL, Mexico	H-GNo.1	1975	2004	0.01	0.1	24	50.98	H-DFRT	143	-	-	-	-	143	-	-	-	-	-	-	6,000	In-line paint line added		
		H-GNo.2	1992	2000	0.01	0.1	24	50.98	H-DFRT	-	150	-	-	-	-	150	-	-	-	-	-	2,000	Formerly HYSLA-GALVAK		
		H-GNo.3	1998	2000	0.01	0.0	27	50	H-DFRT	100	-	65	-	-	-	165	-	-	-	-	-	-	6,000	Formerly IMSA Acero	
	Monclova, Mexico	IMSA	1996	-	0.01	0.1	24	50	H-DFRT	175	-	100	-	-	276	-	-	-	-	-	-	-	Formerly IMSA Acero		
	Universidad Plant, Monterrey, Mexico	No.2	1968	2003	0.01	0.1	24	50	-	-	160	-	-	-	-	160	-	-	-	-	-	-	160	Formerly IMSA Acero	
		No.3	1981	2003	0.01	0.1	24	47.99	H-DFRT	150	-	80	-	-	-	230	-	-	-	-	-	-	7,000		
	No.4	1996	-	0.01	0.0	24	50	V-DFRT	300	-	-	-	-	-	300	-	-	-	-	-	-	11,000			
Pesqueria (Monterrey), NL, Mexico	-	2019	-	0.01	0.1	24	>65	V-RT	-	386	-	-	-	-	386	-	-	-	-	-	-	-	Start-up December 2019		
Ternium, USA, Shreveport, LA	No.1	1966	2007	0.01	0.1	24	54.02	H-DFRT	130	-	130	-	-	-	260	-	-	-	-	-	-	-	Former Steelscape (IMSA) moved from Richmond, CA		
Double G Coatings Bynam (Jackson), MS	Fairfield Works, Fairfield, AL	DGC	1994	2003	0.01	0.0	24	49.02	H-DFRT	100	-	200	-	-	300	-	-	-	-	-	-	7,000	USS/AM 50/50 JV; Construction prepainted (50% tons in AM section)		
		No.5 DualLine	1996	2003	0.01	0.0	26	49.49	H-DFRT	100	-	200	-	-	300	-	-	-	-	Acrylic	5,000	Construction; 2 roll coaters			
		Triple G	1996	2004	0.01	0.0	24	49.02	V-RT	100	-	180	-	-	280	-	-	-	-	-	-	7,000	Vertical Dreyer furnace		
		No.1 CGL	2000	2020	0.02	0.1	28	72.99	V-RT	-	520	-	-	-	-	520	-	-	-	-	-	4,000	NRK-SLE line; robot skim, roll coater for Prephos, C1; upgraded cleaner; furnace s/c		
		No.1 EGL	1985	-	0.02	0.1	36	74	NA	-	-	-	-	-	-	-	0	-	0	0	0	0	0	20 vert. plating cells, 100% auto. - IDLE Jan 2016; 300k cap.; used 6.4k Zn	
		DESCO	1986	1998	0.02	0.1	36	73	NA	-	-	-	-	-	-	-	0	-	0	0	0	0	0	0	U. S. Steel purchased AK Steel's interest 8/2015; IDLE 2020; 635k MT EG, EGA cap.; used 16.3k Zn
		2002	2002	0.02	0.1	36	73	NA	-	-	-	-	-	-	-	-	0	-	0	0	0	0	0	U. S. Steel purchased AK Steel's interest 8/2015; IDLE 2020; 635k MT EG, EGA cap.; used 16.3k Zn	
Midwest Plant	72' GACT	1970	2018	0.02	0.1	24	72.01	H&V-RT	-	500	-	-	-	-	500	-	-	-	-	Prephos, CT	5,000	Induction GA, roll coater; GI & GA UHSS			

Zinc/Zinc-Alloy/Aluminum Continuous Sheet Coating Lines - North America

Colour Code → Operating HD Lines

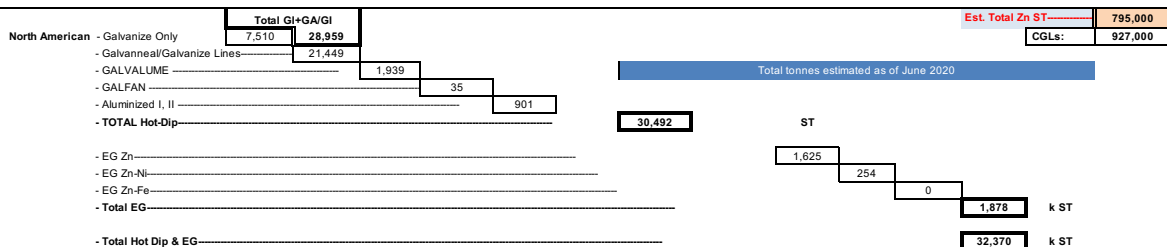
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					Min	Max	Min	Max		GI only	GA/GI	AZ	GF	AL, Al-Si	Combi.		Total	Zn	Zn-Ni	Zn-Fe				Total
United States Steel Corporation	Portage, IN	No.3 CL	1998	2006	0.01	0.0	24	49.02	H-DFRT	270	-	-	-	-	-	270	5,159 ↑ Minus 50% of Double G Coatings, + 49.9% of BRS tonnes	-	-	-	-	Acrylic	5,000	Junkers coreless main & PM pots; 55Al-Zn until 2006
	Mon Valley Works, Irvin Plant, Dravosburg, PA	GAL1	1948	2004	0.04	0.2	22	52.01	L-DFRT	220	-	-	-	-	-	220		-	-	-	-	Acrylic	6,000	HRS and CRS substrate; Selas NOx DFF line
		GAL2	1949	1998	0.01	0.1	24	47.99	V-DFRT	176	-	-	-	-	-	176		-	-	-	-	Acrylic	3,000	Construction & appliance. Converted to dual line in 1997
	Mon Valley Works, Fairless Plant, Fairless Hills, PA	GAL3	1968	1999	0.01	0.1	24	64.02	H-RT	-	330	-	-	-	-	330		-	-	-	-	-	6,000	Horizontal RT fce.; gas-fired GA; 1999 new Clecim TM, TL, CT, etc.
		CGL	1993	2007	0.02	0.1	36	74.02	V-RT	-	700	-	-	-	-	700		-	-	-	-	Prephos, CT, DFL	10,000	US Steel/Kobe Steel JV; 2 roll coaters; UHSS & exposed GA; robot skim; LIBS pot chem. Sensor
	PRO-TEC Coating Co., Leipsic, OH	CG2	1998	2006	0.01	0.1	24	67.01	V-RT	-	550	-	-	-	-	550		-	-	-	-	Prephos	10,000	US Steel/Kobe JV; roll coater, exposed GA & AHSS; robot skim
CG3		2020	-	TBA	TBA	TBA	TBA	TBA	-	500	-	-	-	-	500	-	-	-	-	-	15,000	USS/Kobe JV; to produce UHS HDG - start 2020 (AMM - Sep '17)		
LPI (USS-POSCO Industries), Pittsburg, CA	No. 2CC Line	1963	1997	0.015	0.1256	24	55.5	V-RT	-	400	-	-	-	-	400	-	-	-	-	-	12,000	Induction GA, RoHS CT; 50-50 JV since 1984; was 50-50 JV of U. S. Steel and POSCO; 100% U. S. Steel Feb. 28, 2020		
Grupo Villacero	Cintacero Guadalupe, NL, Mexico	EG	1990	-	0.01	0.12	0	24.02	NA	-	-	-	-	-	-	53	-	-	-	53	-	0	Acquired in 1998 by Villacero from Fisacero	
	Zincacero Anadaga, NL, Mexico	HDGL	1994	2020	0.01	0.08	32	50.47	H-RT	100	-	-	-	-	100	100	-	-	-	-	-	3,000	SMS rebuild. SAE 1006, 1008 and 1010 and steel strip products with yield strengths between 210 and 560 Mpa	
Wheeling-Nippon Steel, Inc.	Follansbee, WV	No.1 AGL	1988	-	0.01	0.1	24	60.98	H-DFRT	-	300	-	13	100	413	743	-	-	-	-	-	6,000	ZAM™ added in 2013-2014; Makes Aluminized stainless; Gas fired GA furnace; 100% Nishin Steel Co., Ltd. since 2008	
		No.2 CGL	1993	2000	0.01	0.0	24	50	H-DFRT	240	-	89	-	-	330		-	-	-	-	Acrylic	9,000	Construction; Carousel reels; roll coater	
Worthington Industries	Delta, OH	No.1	1997	2008	0.03	0.25	32	62.01	L-DFRT	-	400	-	-	-	400	1,000	-	-	-	-	-	15,000	CQ, culvert, guardrail markets (mostly HR substrate)	
	Spartan Steel Coating Monroe, MI	No.1	1998	2019	0.02	0.1	28	62.01	V-DFRT	-	600	-	-	-	600		-	-	-	-	Prephos, CT, acrylic	9,000	Worthington 52%/AK Steel 48% JV; DFF lining change to fiber; RJC upgrade	



Type	Total	Operating	Being Built	Combi.	Idle
Hot Dip Lines - TOTAL (all coatings)	82	77	3	4	2
Hot Dip Galvanize Lines (GI but no GA)	32	30	2	0	0
HDG Lines with GI & GA capability	47	44	1	0	2
Lines with GALVALUME capability	14	13	1	0	0
Lines with Galfan capability	2	2	0	0	0
Lines with ZAM™ capability	1	1	0	0	0
Lines with Aluminizing capability	3	3	0	0	0
EG Lines	12	10	0	0	2
EGLs + CGLs	94	87	3	4	4

NOTES:

- Production tonnes based on most recent data
- GI = Galvanize - GF = Galfan
- GA = Galvanneal - AL = Aluminized I, II
- AZ = 55Al-Zn (GALVALUME, ZINCALUME, etc.)
- ZAM™ Zn-Al-Mg alloy coating
- Zinc usage from 2004 ILZSG World Directory; CG Lines

(*) Furnace types

- V = Vertical
- H = Horizontal
- L = Vert & Horiz (may or may not be "L" shaped)
- NA = not applicable / not available

*Suffix: DF = Direct Fired; RT = Radiant Tube; IND = Induction; HTC = Heat to Coat

Revised Dec 2020 for GalvInfo Center, a Program of the International Zinc Association
Ref. F. E Goodwin, E. A. Silva Galvatech 2021 and AIST GTC Sep. 2020