

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

Colour Code → Operating HD Lines

EG Lines

Under Construction

Publicly Announced
TBA = To Be Announced

Idle Lines

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

Country	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 Coatings	Status	Annual Zinc Usage - ST	Comments	
						Min	Max	Min	Max		GI only	GA/GI	AZ	GF or ZM	Al, Al-Si	Combi.		Total	Zn	Zn-Ni	Zn-Fe					Total
						TBA = To Be Announced																				
Canada	ArcelorMittal	Hamilton, ON	No.3	1967	2005	0.008	0.043	24	52.0	H-DFRT	-	243	-	-	-	-	243	2,440	-	-	-	-	Chem. Treat.	OP	13,000	Gas fired GA furnace installed 1989
Canada			No.4	1981	2016	0.010	0.091	24	60.5	H-DFRT	110	-	150	-	-	-	260		Acrylic, Chem. Treat.	OP	7,000	Dual pots, cleaner for FH AZ, CM Blowstap APC; new cleaner; furnace upgrades; new ctg. Pot hardware; dual roll coater				
Canada			No.5	1999	2022	0.020	0.083	34	72.0	V-RT	364	-	-	-	176	-	540		OP	8,000	12/23/20 announced upgrade make 160kT Al-Si 2H/2Z, stop GA; Originally "DSG", a Defasco/Soltec 80/20 JV; exposed GI & GA; AHSS					
Canada			No.6	2014	-	0.039	0.169	24	65.0	H-DFRT	-	717	-	-	-	-	717		OP	9,000	Began operating 2015 (GI, GA, HR HDG, AHSS)					
Canada			No.1	1993	2019	0.016	0.083	24	72.0	V-DFRT	-	485	-	-	-	-	485		Prephos, Chem. Treat.	OP	7,000	100% AM Defasco 2013, formerly JV with JFE Steel; formerly DNN Galvanizing renamed DJ Galvanizing Corp. in '04; premet pot '97				
Canada			No.1	1991	1995	0.009	0.134	24	54.0	H-DFRT	-	254	-	-	-	-	254		OP	8,000	Formerly Sorevco; 1kg ctg w/ golf ball finish; induction GA, C3 & C6 CT.					
Canada	Materials Science Corp. (MSC)	Rexdale (Toronto), ON	No.1 EG	1968	-	0.0077	0.094	18	60.0	NA	-	-	-	-	-	-	45	-	-	45	-	OPE	1,000	Can coat UHSS YS up to 1517 MPa (220 ksi)		
Canada	Stelco	Hamilton Works, Hamilton, ON	3GGL	1968	1997	0.012	0.047	32	52.0	L-DFRT	200	-	-	-	-	200	718	-	-	-	-	-	OP	8,000	Solas vertical NOx furnace line; nitrogen wiping	
Canada			ZLine	1991	2006	0.023	0.083	36	72.0	V-RT	-	518	-	-	-	orig. CAL capable 518		-	-	-	-	-	OP	19,000	Orig. JV with Metal One 40%; at start a CGL-CAL Combo; world's biggest pot - 390 MT, first robot skin; nitrogen wiping	
Mexico	Galvavid (Grupo Ind. L.M.)	Apodaca, NL, Mexico	No.1	2005	2019	0.0134	0.108	24	60.0	V-DFRT	176	-	198	-	-	375	375	-	-	-	-	-	OP	6,200		
Mexico	Nucor-JFE Steel Mexico (NJSM)	Silao, Guanajuato, Mexico	No.1	2020	-	0.016	0.102	31	72.8	V-RT	-	441	-	-	-	441	441	-	-	-	-	-	OP	12,100	GI & GA automotive quality; start 5 Mar. 2020	
Mexico	POSCO Mexico	Altamira, Mexico	CGL1	2009	-	0.016	0.079	31	74.8	V-RT	-	441	-	-	-	441	992	-	-	-	-	Prephos, CT	OP	17,000	Exposed GA, GI and AHSS; premet pot	
Mexico			CGL2	2014	-	?	?	?	?	V-RT	-	551	-	-	-	551		-	-	-	-	Prephos, CT	OP	17,000	Start Jan. 2014; exposed GI & GA; AHSS 780; premet pot	
Mexico	Ternium SRL de C.V.	San Nicholas de los Garza, NL, Mexico	H-GNo.1	1975	2004	0.008	0.075	24	51.0	H-DFRT	143	-	-	-	-	143	2,276	-	-	-	-	-	OP	5,500	In-line paint line added	
Mexico			H-GNo.2	1992	2000	0.010	0.106	24	51.0	H-DFRT	-	150	-	-	-	-		150	-	-	-	-	-	OP	5,300	Formerly HYSLA-GALVAK
Mexico			H-GNo.3	1998	2000	0.008	0.047	27	50.0	H-DFRT	100	-	65	-	-	-		165	-	-	-	-	-	OP	2,000	Formerly HYSLA-GALVAK
Mexico			Planta Monclova, Coahuila De Zaragoza, Mexico	IMS A	1996	-	0.008	0.075	24	50.0	H-DFRT	175	-	100	-	-		276	-	-	-	-	-	OP	6,000	Formerly IMSA Acero
Mexico			No.2	1968	2003	0.010	0.079	24	50.0	-	-	160	-	-	-	-		160	-	-	-	-	-	OP	5,800	Formerly IMSA Acero
Mexico			No.3	1981	2019	0.008	0.134	24	48.0	H-DFRT	150	99	-	-	-	-		249	-	-	-	-	-	OP	7,000	
Mexico			No.4	1996	-	0.011	0.035	24	50.0	V-DFRT	300	-	-	-	-	-		300	-	-	-	-	-	OP	11,000	
Mexico			Centro Industrial Ternium, Pesqueria, NL, Mexico	No.1	2019	-	0.012	0.059	24	>65	V-RT	-	392	-	-	-		392	-	-	-	-	-	OP	17,000	Start-up Dec. 16, 2019, also with a new adjacent paint line
Mexico			Tenigal SRL de CV, Pesqueria (Montemey), NL	Tenigal 1	2013	-	0.0157	0.1024	27.6	72.8	V-RT	-	441	-	-	-		441	-	-	-	-	-	OP	15,000	Sept. - 2013 start-up; 51% ternium, 49% Nippon Steel; Exposed & AHSS to 980; 2 pots (GI, GA); 300MM investment publicly announced April 2016 for planned late 2019 start-up.
Mexico			Tenigal 2	TBA	-	TBA	TBA	TBA	TBA	TBA	V-RT	-	474	-	-	-		474	-	-	-	-	-	PA	10,000	
Mexico	Grupo Villacero	Cintacero Guadalupe, NL, Mexico	EG	1990	-	0.012	0.125	0.236	28	NA	-	-	-	-	-	-	53	-	-	53	-	OPE	0	Acquired in 1998 by Villacero from Fisacero		
Mexico	Zincacero Apodaca, NL, Mexico	HDGL	1994	2020	0.010	0.060	24	49.0	H-RT	-	100	-	-	-	-	100	100	-	-	-	-	OP	3,000	SMS rebuild. SAE 1006, 1008 and 1010 and steel strip products with yield strengths between 210 and 560 MPa		
United States	AMINS Calvert (JV of ArcelorMittal Steel and Nippon Steel Corp.)	Calvert (Mobile), AL	HDGL1	2011	2015	0.020	0.091	36	73.6	V-RT	-	551	-	-	-	551	1,676	-	-	-	-	Pre-phos	OP	14,600	Exposed GI, GA; e-mag stabilizer; 2 main pots; side trim; Drever furnace w/oxidation control chamber	
United States	HDGL3	2012	2017	0.020	0.098	31	65.7	V-RT	-	551	-	-	-	-	551	-		-	-	-	Pre-phos, CT	OP	14,600	GI, GA; 2 main pots; Q&P GEN3		
United States	HDGL4	2011	2014	0.012	0.098	31	65.7	L-DFRT	243	-	-	-	331	-	573	-		-	-	-	CT, Acrylic	OP	7,700	GI, 55Al-Zn until stop 2013, Al-Si, CMI-EFCO; side trim; 3 main pots, 1 pre-melt; Al-Si announced Apr. 16		
United States	BlueScope Steel	Eval. "Eastern US" site to be announced	TBA	TBA	-	TBA	TBA	TBA	TBA	-	-	-	-	-	-	-	TBA	-	-	-	-	PA	-	Sept. 21, 2021 Australian steelmaker BlueScope may build a new greenfield EAF mill with a steel painting and coating facility. "East coast of the US."		
United States	Burns Harbor, Burns Harbor, IN	HDGL	1992	-	0.020	0.079	36	72.0	V-RT	-	606	-	-	-	-	606	5,566	-	-	-	-	Prephos, CT	OP	20,000	Induction GA; roll coater; entry & exit auto inspection	
United States	Cleveland Works, Cleveland, OH	HDGL	2006	2013	0.022	0.098	39	72.0	V-DFRT	-	717	-	-	-	-	717		-	-	-	-	CT	OP	25,000	Converted 1000 fpm LTV CAL to auto CGL; added GA '07; electromag. Stabilizer	
United States	Columbus, OH	HDGL	2000	2005	0.020	0.067	31	72.0	V-RT	-	441	-	-	-	-	441		-	-	-	-	Prephos	OP	22,000	L-S II EG line converted to CGL; 100% GA, 2 main pots + pre-melt; e-mag stabilizer	
United States	Dearborn Works, Dearborn, MI	HDGL	2011	2016	0.022	0.106	36	72.0	V-RT	-	500	-	-	-	-	500		-	-	-	-	Pre-phos	OP	12,000	Exposed GI, GA; NexMet™ Q&P GEN3 AHSS; Sevensal NA up to 2014	
United States	Indiana Harbor-West, East Chicago, IN	No.2	1963	2016	0.015	0.189	24	72.0	H-DFRT	-	614	-	-	-	-	614		-	-	-	-	-	OP	32,000	Gas fired GA; horizontal foe.; 57k MT cap.; 28.8 kT Zn	
United States	Indiana Harbor-East, East Chicago, IN	5 CGL	1968	2004	0.020	0.098	24	72.0	H-RT	-	0	-	-	-	-	0		-	-	-	-	-	ID	0	IDLE - Gas fired GA; hot brittle & new RT furnace 1997, ceramic tubes; formerly ISPAT-Inland; 376 MT cap.	
United States	Middletown Works, Middletown, OH	No.2 EG	1991	1995	0.019	0.075	-	74.8	NA	-	-	-	-	-	-	-		496	-	-	496	-	OPE	11,000	Graviteel process, 21 plating cells	
United States	No.3	1961	2002	0.021	0.138	32	74.0	H-RT	560	-	-	-	-	-	-	560		-	-	-	-	-	OP	24,000	Nitrogen wiping; not automotive exposed	
United States	No.4	1971	-	0.015	0.138	24	62.0	V-DFRT	-	-	-	-	470	-	470	-		-	-	-	-	-	OP	0	2 conless pots; Aluminized type I, II on C-steel & 40x stainless	
United States	Rockport Works, Rockport, IN	CGL	1998	2003	0.018	0.079	41	80.0	V-RT	-	1,000	-	-	-	-	1,000		-	-	-	-	Prephos	OP	32,000	Max speed 750 fpm, coil wt. 17,000 lb.; Widest N.A. Ctg line	
United States	Cleveland-Cliffs Kote LP, New Carlisle, IN	KCGL	1991	2004	0.015	0.091	24	72.0	V-RT	-	500	-	-	-	-	500		-	-	-	-	Prephos	OP	7,600	In-line side trimmer; exposed GA; all GI	
United States	EG	1991	-	0.017	0.079	24	72.0	NA	-	-	-	-	-	-	-	-		452	-	-	452	-	OPE	7,000	24 Graviteel plating cells; Ni flash in 25th	
United States	Gregory Industries	Canton, OH	No.1	1980	2018	0.030	0.180	2	19.5	L-IND	-	145	-	-	-	145	145	-	-	-	-	-	OP	7,000	Cold heat to cool line with preheat induction furnace; thick ctgs. no cut edge	
United States	Materials Science Corp. (MSC)	Canfield Metal Coating (CMC), Canfield, OH	EG	1957	2003	0.008	0.079	24	48.0	NA	-	-	-	-	-	-	66	-	-	66	-	Organic & Inorganic	OPE	1,000	Orig. Wheeling-Pittsburgh until 2001; acquired by New Star Metals Jul-2013	
United States	Electric Coating Technologies (ECT), East Chicago, IN	EG	1996	-	0.010	0.087	24	72.0	NA	-	-	-	-	-	-	-	200	-	-	200	-	OPE	6,000	Able to coat UHSS up to 1585 MPa (230 ksi) yield strength; acquired by Insight Equity 2012; started as Metro Metals, 1996		
United States	MSC Walbridge Coatings Inc., Walbridge, OH	No.1 EG	1986	-	0.018	0.098	24	72.0	NA	-	-	-	-	-	-	-	290	110	-	400	-	Organic	OPE	8,000	Formerly Materials Sciences; was JV with ArcelorMittal; Graviteel plating process, 20 cells; can coat 1000 MPa AHSS	
United States	National Galvanizing L.P.	Monroe, MI	No.1	1984	2017	0.060	0.250	24	48.0	H-DFRT	-	225	-	-	-	225	225	-	-	-	-	-	OP	11,000	HRP & CR galv., induction GA	
United States	NMLK Pennsylvania	Sharon, PA	No.2	1998	-	0.012	0.071	24	60.0	L-DFRT	276	-	-	-	-	276	304	-	-	-	-	-	OP	11,000	NMLK since 2011; formerly Sharon Coating, a 2008 JV of Duferco-Novolipetsk (NMLK) and Sevensal; in past was Winner Steel	
United States			No.3	2004	-	0.020	0.098	24	72.0	L-DFRT	-	500	-	-	-	500		-	-	-	-	-	OP	22,000		
United States			No.1	1999	-	0.012	0.106	30	62.0	H-DFRT	600	-	-	-	-	-		600	-	-	-	-	-	OP	22,000	Construction, HVAC
United States			No.2 CAGL	1905	-	0.009	0.106	890	1900.0	V-DFRT	500	-	-	-	-	-		500	-	-	-	-	-	BB	13,000	Nucor: 5/11/2018: Combi. CAGL \$240 MM; Andritz PR 11/3/2018; GEN3 steels
United States			No.1	1998	2007	0.010	0.106	30	66.0	V-DFRT	-	700	-	-	-	-		700	-	-	-	-	-	Acrylic	OP	16,000
United States	"Nucor Steel Apple Grove, Maple County, WV"	No.1 AHSS	2024	-	TBA	TBA	TBA	TBA	TBA	500	-	-	-	-	500	-	-	-	-	-	-	PA</				

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Idle Lines

INCH-POUND VERSION

(Calculates sizes and tons from CoatingLinesSI sheet)

Country	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 Coatings	Status	Annual Zinc Usage - ST	Comments	
						Min	Max	Min	Max		GI only	GA/GI	AZ	GF or ZM	Al, Al-Si	Combi.		Total	Zn	Zn-Ni	Zn-Fe					Total
United States	Nucor Steel Gallatin, Ghent, KY	No.1 PAGL	2019	-	TBA	0.250	TBA	73.0	H-IND-HTC	-	500	-	-	-	-	Pickle	500	-	-	-	-	-	OP	13,500	Combined hot band pickling & vertical galvanizing; started coating 9/27/2019	
United States			Nucor Steel Indiana, Crawfordsville, IN	No.1	1993	-	0.380	0.130	762	53.0	H-DFRT	351	-	-	-	-	-	351	-	-	-	-	OP	11,000	Construction & appliance; coats Castrip Skilled steel	
United States	California Steel Industries (CSI) Fontana, CA	No.2	2024	-	TBA	TBA	TBA	TBA	TBA	TBA	TBA	-	-	-	-	-	330	-	-	-	-	PA	11,000	Majority owned announced expansion of the plant capacity at Crawfordsville, that includes a construction grade continuous galvanizing line and pre-paint line		
United States			No.1	1968	1999	0.015	0.169	24	60.0	H-DFRT	-	474	-	-	-	-	-	474	-	-	-	-	OP	13,000	Nucor Feb. 3, 2022 announced & completed its acquisition of a majority ownership position in California Steel Industries, Inc. (CSI) by purchasing a 50% equity interest in a joint venture with Nucor-JFE Steel Mexico	
United States	Precoat Metals Baltimore	Elkridge, MD	EG	1969	-	0.007	0.057	20	54.0	NA	-	-	-	-	-	-	-	-	-	-	-	OPE	1,400	Chesapeake Finished Metals (Precoat Metals division of Sequa); 2.90 sq. in max cross-section for EG		
United States			Butler Division, Butler, IN	No.1	1997	2018	0.040	0.165	36	62.0	H-DFRT	-	600	-	-	-	-	-	600	-	-	-	CT, Acrylic	OP	15,000	2017 added cleaner, CR substrate to hot bridle, upgrades to Fcc-, motors, capacity increase
United States	Steel Dynamics Incorporated (SDI)	Columbus Division, Columbus, MS	No.2	1997	-	0.010	0.075	36	62.0	H-DFRT	-	360	-	-	-	-	-	360	-	-	-	-	OP	15,000	CR substrate	
United States			CGL#1	2007	2021	0.010	0.059	36	72.0	V-DFRT	-	450	-	-	-	-	-	-	450	-	-	-	CT & Acrylic	OP	12,000	SMS-Siemag; Ardritz z20u upgrades to new LFU, LKUC, APC, amear model for AHSS, ex. DP980
United States	Jeffersonville Plant, Jeffersonville, IN	No.1	2011	2016	0.018	0.130	36	72.0	L-DFRT	180	-	-	-	-	-	-	180	-	-	-	-	CT & Acrylic	OP	8,500	Added 55Al-Zn capability to former SeverCorr GI-only line	
United States			CGL#3	2020	-	0.013	0.160	36	72	H-DFRT	290	-	-	110	-	-	-	400	-	-	-	-	OP	10,000	Also coats Al-Si Type 1 aluminumized; Fives, \$140MM	
United States	SW Sinton Division, Sinton (Corpus Christi), TX	No.1	2021	-	0.010	0.157	36	76.0	H-DFRT	-	274	276	-	-	-	-	550	-	-	-	-	Chem. Treat., Acrylic	OP	15,000	2022 announced expansion of the plant capacity at Sinton, TX	
United States			No.2	2022	-	0.010	0.060	914	1829	TBA	-	-	300	-	-	-	-	300	-	-	-	-	PA	6,000	Apr. 15, 2021 SDI announcement + presentation at AIST Sheet Course-Indianapolis, Mar 2022	
United States	Hearfield Division, Terre Haute, IN	No.1	1999	-	0.010	0.059	34	73.0	L-DFRT	351	-	-	-	-	-	-	351	-	-	-	-	-	OP	10,100	Construction line, until 2018, a subsidiary of Companhia Siderurgica Nacional. Prior to 2001 was Hearfield Steel	
United States			No.2	2023	-	0.010	0.060	914	1829	TBA	-	-	300	-	-	-	-	300	-	-	-	-	-	PA	6,000	Jul 28, 2021 announcement, adding a 300KT galv. Line and a 240KT paint line + presentation at AIST Sheet Course-Indianapolis, Mar 2022
United States	GalvTech PA	Hays, PA	No.1	1996	2011	0.015	0.045	24	61.0	H-DFRT	460	-	-	15	-	-	475	-	-	-	-	Acrylic, CT	OP	25,000	Commercially produces GALFAN; upgrades: electro-mag stabilizer, automated inspection	
United States			MetaTech Pittsburgh, PA	No.1	1961	1994	0.040	0.160	24	52.0	H-DFRT	358	-	-	17	-	-	-	375	-	-	-	-	Acrylic, CT	OP	18,000
United States	NexTech Creeks, PA	Turtle Creek, PA	No.1	1990	-	0.007	0.020	28	43.0	H-DFRT	159	-	-	-	-	-	-	170	-	-	-	-	Acrylic, CT	OP	7,000	Roll coater
United States			Steelscope (NS BlueScope Coated Products)	Rancho Cucamonga, CA	No.1	1995	1996	0.012	0.0356	26	50.0	V-DFRT	-	-	220	-	-	-	220	-	-	-	-	Acrylic, tinted resin	OP	3,000
United States	Tata Steel Plating	Apollo Metals, Bethlehem, PA	#3	24851	1997	0.010	0.047	30	56.0	NA	-	-	-	-	-	-	-	-	-	-	-	-	OPE	100	Cu, brass, Ni, Cr plated CR steel strip products; pre-finished non-ferrous metals; developer of ElectroJet technology; est., actual published prod. Capacity n/a	
United States			Thomas Steel Strip Corp., Warren, OH	1920	-	0.004	0.067	0.118	28.5	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77
United States	Ternium, USA	Ternium, USA Shevport, LA	No.1	1966	2007	0.33	3.2	610	1372	H-DFRT	130	-	130	-	-	-	0	260	-	-	-	-	-	OP	6600	Former Steelscope (ISMA) moved from Richmond, CA
United States			Big River Steel (BRS), Osceola, AR	HDGL1	2016	2019	0.01	0.1	35	72.835	V-DF, H-RT	524	-	-	-	-	-	-	524	-	-	-	-	-	OP	13,000
United States	United States Steel Corporation	Double G Coatings Byram (Jackson), MS	HDGL2	2024	-	TBA	TBA	TBA	TBA	TBA	165	-	-	193	-	-	358	-	-	-	-	-	PA	6,600	Oct. 28, 2021 earnings call announcement: \$280MM new AZ & GI CGL; est. Cty tons	
United States			Fairfield Works, Fairfield, AL	DGC	1994	2003	0.009	0.031	24	49.0	H-DFRT	95	-	220	-	-	-	-	315	-	-	-	-	-	OP	7,000
United States	Granite City Works Granite City, IL	No.5 Duaine	1996	2003	0.012	0.039	26	49.5	H-DFRT	100	-	200	-	-	-	-	300	-	-	-	-	Acrylic	OP	5,000	Construction; 2 roll coaters	
United States			Triple G	1996	2017	0.009	0.035	24	49.0	V-RT	100	-	180	-	-	-	-	280	-	-	-	-	-	OP	7,000	Vertical Drever furnace
United States	Great Lake Works Ecorse, MI	No.1 CGL	2000	2020	0.023	0.079	28	73.0	V-RT	-	520	-	-	-	-	-	520	-	-	-	-	Prephos, Chem. Treat.	OP	4,000	NKK-SE line; robot skin, roll coater for Prephos, CT; upgraded cleaner; furnace GJC	
United States			EDL at Dearborn Dearborn, MI	No.1 EDL	1985	-	0.016	0.071	36	74.0	NA	-	-	-	-	-	-	-	0	-	-	-	-	IDE	0	U. S. Steel purchased AK Steel's interest 6/2015; IDLE 2020; 635k MT EG, EGA cap.; used 16.3k Zn
United States	Midwest Plant Portage, IN	72" GACT	1970	2018	0.022	0.126	24	72.0	H&V-RT	-	500	-	-	-	-	-	500	-	-	-	-	Prephos, Chem. Treat.	OP	5,000	Induction GA, roll coater; GI & GA UHSS	
United States			No.3 CL	1998	2006	0.009	0.035	24	49.0	H-DFRT	270	-	-	-	-	-	-	270	-	-	-	-	-	OP	5,000	Junkies coldless main & PM pots; 55Al-Zn until 2006
United States	Mon Valley Works, Irvin Plant, Dravosburg, PA	GAL1	1948	2004	0.036	0.169	22	52.0	L-DFRT	220	-	-	-	-	-	-	220	-	-	-	-	-	OP	6,000	HRS and CRS substrate; Selas NOx DFF line	
United States			GAL2	1949	1998	0.014	0.063	24	48.0	V-DFRT	176	-	-	-	-	-	-	176	-	-	-	-	Acrylic	OP	3,000	Construction & appliance. Converted to dual line in 1997
United States	United States Steel Corporation	Mon Valley Works, Fairless Plant, Fairless Hills, PA	GAL3	1968	1999	0.015	0.079	24	64.0	H-RT	-	330	-	-	-	-	-	330	-	-	-	-	OP	6,000	Horizontal RT for: gas-fired GA; 1999 new Clecim TM, TL, CT, etc.	
United States			"Mini-mill" location to be announced	TBA	-	-	TBA	TBA	TBA	TBA	TBA	-	-	-	-	-	-	-	TBA	-	-	-	-	PA	13000	Oct. 29, 2021 earnings call: \$3 Bn new flat rolled mini-mill, start construction 1H22; includes AHSS galv., HR galv., painting, slitting
United States	PRO-TEC Coating Company, Leipsic, OH	CGL1	1993	2007	0.023	0.102	36	74.0	V-RT	-	600	-	-	-	-	-	600	-	-	-	-	Prephos, CT	OP	10,000	US Steel/Kobe Steel JV, 2 roll coaters; UHSS & exposed GA; robot skin; LIBS pot chem. Sensor	
United States			CGL2	1998	2006	0.015	0.067	24	67.0	V-RT	-	500	-	-	-	-	-	500	-	-	-	-	OP	10,000	US Steel/Kobe Steel JV, roll coater; exposed GA & AHSS; robot skin	
United States	USS UPL, Pittsburg, CA	No.2 CGL Line	1963	1997	0.0150	0.1265	24	55.5	V-RT	-	400	-	-	-	-	-	400	-	-	-	-	-	OP	12,000	U. S. Steel/Kobe Steel JV; UHSS GEN3 GI, GA - start 2020 (AMM - Sep '17); 2 coating pots	
United States			No.1 AGI	1988	-	0.014	0.106	24	61.0	H-DFRT	-	287	-	13	100	-	-	400	-	-	-	-	-	OP	6,000	Induction GA, RoHS CT; was 50-50 JV of U. S. Steel and POSCO since 1984 to 100% U. S. Steel Feb. 29, 2020
United States	Wheeling-Nippon Steel, Inc.	Follansbee, WV	No.2 CGL	1993	2000	0.008	0.047	24	50.0	H-DFRT	209	-	90	-	-	-	300	-	-	-	-	Acrylic	OP	9,000	ZAMP added in 2013-2014; Makes Aluminumized stainless; Gas-fired GA furnace; 100% Nisshin Steel Co., Ltd. since 2008	
United States			No.1	1997	2008	0.025	0.250	32	62.0	L-DFRT	-	400	-	-	-	-	-	400	-	-	-	-	-	OP	15,000	Construction; Carosel reels; roll coater
United States	Worthington Industries	Delta, OH	No.1	1998	2019	0.018	0.075	28	62.0	V-DFRT	-	600	-	-	-	-	600	-	-	-	-	Prephos, CT, Acrylic	OP	9,000	CQ, culvert, guardrail markets (mostly HR substrate)	
United States			Spartan Steel Coating Monroe, MI	No.1	1998	-	0.018	0.075	28	62.0	V-DFRT	-	600	-	-	-	-	-	600	-	-	-	-	OP	9,000	Worthington 52%/Cleveland-Cliffs 48% JV; DFF lining change to fiber; RJC upgrade

Production Capacity:

North American - Galvanize Only

- Galvalume/Galvalume Lines

- GALVALUME® & 55Al-Zn

- GALFAN®_ZM or ZAM™

- Aluminumized Types I, II

- Total Hot-Dip

- EG Zn

- EG Zn-Ni

- EG Zn-Fe/other metallic plating

- Total EG

- Total Hot Dip & EG

Canada Mexico USA

674 1,045 #VALUE!

2,215 2,676 #VALUE!

150 463 1,721

0 0 56

178 0 1,011

3,215 4,184 #VALUE!

45 53 1,574

0 0 187

0 0 66

45 53 1,828

3,261 4,237 #VALUE!

#VALUE! #VALUE! Total GI+GA/GI 1000's ST

20,170 2,334

56 1,187

31,460 1000's ST

45 53 1,574

0 0 187

0 0 66

45 53 1,828

3,261 4,237 #VALUE!

Est. Total Zn, s/ST

CGLS: 951,369

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

Colour Code → Operating HD Lines

EG Lines

Under Construction

Publicly Announced

Idle Lines

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

TBA = To Be Announced

Country	Producer	Location	Line ID	Date Built	Latest Rebuild	Thickness (in)		Width (in)		Furnace Type ⁽¹⁾	Annual Hot-Dip Capacity - 1000's of short tons (kST)						Total Company Hot-Dip - ST	Annual EG Capacity - kST				Roll Coatings	Status	Annual Zinc Usage - ST			Comments
						Min	Max	Min	Max		N.A. Total	Canada	Mexico	USA	N.A. Total	Canada		Mexico	USA	N.A. Total	Canada			Mexico	USA	N.A. Total	
Hot Dip Lines - TOTAL (all coatings)			9	15	65	89	8	14	55	77	1	0	1	2	0	0	4	4	0	0	1	1	0	1	8	9	
Hot Dip Galvanize Lines (GI but no GA)			3	6	28	37	3	6	22	31	0	0	0	0	0	0	1	1	0	0	0	0	0	6	6		
HDG Lines with GI & GA capability			5	10	36	51	5	9	31	45	0	0	1	1	0	0	3	3	0	0	1	1	0	1	3	4	
Lines with 55Al-Zn GALVALUME capability			1	4	13	18	1	4	9	14	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4		
Lines with Galfan capability			0	0	3	3	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Lines with ZM ZAM™ capability			0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Lines with Aluminizing capability			1	0	4	5	0	0	4	4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0		
EG Lines			1	1	10	12	1	1	8	10	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0		
Total EGLs + CGLs						101				87				2			4			3					9		

Revised Jul 2022 by GalvInfo Center, a Program of the International Zinc Association, Gary Dallin, with input from AIST GTC members, including E. A. Silva

NOTES:

- Production tonnes based on most recent data or recent estimates
- Zinc usage cited is mainly from the 2004 ILZSG World Directory; CG Lines
- Abbreviations:**
- GI = Galvanize
- GA = Galvanneal
- AZ = 55Al-Zn (GALVALUME®, ZINCALUME®, etc.)
- AL = Aluminized ASTM A463 type I (Al-non 9% Si (5 to 11%)), type II (Al, <=0.35%Si)
- ZAM™ = Zn-Al-Mg alloy coating
- GF = GALFAN®; 5Al-Zn
- CT = Passivation chemical treatment
- CAGL = (Combination) Continuous Annealing Galvanizing Line
- PGL = (Combination) Pickling-Galvanizing Line

Status Abbreviations	
BB	Being Built
BBE	Being Built EGL
ID	Idle Hot-Dip Line
IDE	Idle EGL
OP	Operating Hot-Dip Line
OPE	Operating EGL
PA	Publicly Announced Line
TBA	To Be Announced

(1) Furnace types

- V = Vertical
- H = Horizontal
- L = Vert & Horiz (may or may not be "L" shaped)
- NA = not applicable / not available
- *Furnace Suffix: DF = Direct Fired; RT = Radiant Tube; IND = Induction; HTC = Heat to Coat