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

Colour Code ➔ Operating HD Lines | EG Lines | Under Construction | Publicly Announced | Idle Lines

TBA = To Be Announced

INCH-PC INCH-POUND VERSION

(Calculates sizes and tons from CoatingLinesSI sheet)

Country	Producer	Location	Line ID	Date Built	Latest Rebuild	Thickness (in) Min	Thickness (in) Max	Width (in) Min	Width (in) Max	Furnace Type(*)	Annual Hot-Dip Capacity - 1000's of short tons (k ST) GI only	GA/GI	AZ	GF or ZM	Al, Al-Si	Combi.	Total	Total Company Hot-Dip - ST	Annual EG Capacity - k ST Zn	Zn-Ni	Zn-Fe	Total	Roll Coatings	Status	Annual Zinc Usage - ST	Comments
Canada	ArcelorMittal	**ArcelorMittal Dofasco G. P.**, 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, CMI Blowstab 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'22, stop GA; Originally "DSG", a Dofasco/Sollac 80/20 JV; exposed GI & GA; AHSS
Canada			No.6	2014	-	0.039	0.169	24	65.0	H-DFRT	-	717	-	-	-		717		-	-	-	-	Chem. Treat.	OP	9,000	Began operating 2015 (GI, GA, HR HDG, AHSS)
Canada		**ArcelorMittal Windsor** Windsor, ON	No.1	1993	2019	0.016	0.083	24	72.0	V-DFRT	-	485	-	-	-		485		-	-	-	-	Prephos., Chem. Treat.	OP	7,000	100% AM Dofasco 2013, formerly JV with JFE Steel; formerly DNN Galvanizing renamed DJ Galvanizing Corp. in '04; premelt pot '97
Canada		**AM Coteau-du-Lac** Coteau-du-Lac, PQ	No. 1	1991	1995	0.009	0.134	24	54.0	H-DFRT	-	254	-	-	-		254		-	-	-	-	-	OP	8,000	Formerly Sorevco; 1kg ctg wt golf ball finish; induction GA, Cr3 & Cr6 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	3CGL	1968	1997	0.012	0.047	32	52.0	L-DFRT	200	-	-	-	-		200	718	-	-	-	-	-	OP	9,000	Selas vertical NOx furnace line; nitrogen wiping
Canada			Z-Line	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 skim; nitrogen wiping
Mexico	**Galvasid (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 México (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	CGL 1	2009	-	0.016	0.079	31	74.8	V-RT	-	441	-	-	-		441	992	-	-	-	-	Pre-phos, CT	OP	17,000	Exposed GA, GI and AHSS; premelt pot
Mexico			CGL 2	2014	-	?	?	?	?	V-RT	-	551	-	-	-		551		-	-	-	-	Pre-phos, CT	OP	17,000	Start Jan. 2014; exposed GI & GA; AHSS 780; premelt 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	
Mexico		**Planta Monclova**, Coahuila De Zaragoza, Mexico	IMSA	1996	-	0.008	0.075	24	50.0	H-DFRT	175	-	100	-	-		276		-	-	-	-	-	OP	6,000	Formerly IMSA Acero
Mexico		**Planta Universidad**, Monterrey, 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**, Pesquería, 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,** Pesquería (Monterrey), NL	Tenigal 1	2013	-	0.0157	0.1024	27.6	72.8	V-RT		441	-	-	-		400		-	-	-	-	L-treatment	OP	15,000	Sept., 2013 startup; 51% Ternium, 49% Nippon Steel. Exposed & AHSS to 980; 2 pots (GI, GA); $300M facility
Mexico			Tenigal 2	TBA	-	TBA	TBA	TBA	TBA	TBA		474					430		-	-	-	0	-	PA	10,900	$300M investment publicly announced April 2016 for planned late 2019 start-up.
Mexico	**Grupo Villacero**	**Cintacero** Guadalupe, NL, Mexico	EG	1990	-	0.012	0.125	0.236	28.0	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	**AM/NS Calvert** (JV of Arcelor Mittal 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 42013, 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							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	**Cleveland-Cliffs Inc.**	**Burns Harbor,** Burns Harbor, IN	HDCL	1992	-	0.020	0.079	36	72.0	V-RT	-	606	-	-	-		606	5,566 (Includes 50% of Double G tons)	-	-	-	-	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	-	-	-	CAL mode	500		-	-	-	-	Pre-phos	OP	12,000	Exposed GI, GA; NexMet™ Q&P GEN3 AHSS; Severstal 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	32000	Gas fired GA; horizontal fce.; 577k 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 bridle & new RT furnace 1997, ceramic tubes; formerly ISPAT-Inland; 376 kMT cap.
United States		**Middletown Works,** Middletown, OH	No.2 EG	1991	1995	0.019	0.075		74.8	NA	-	-	-	-	-		-		454	-	-	454	-	OPE	11,000	Gravitel process, 21 plating cells
United States			No.3	1961	2002	0.021	0.138	32	74.0	H-RFRT	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 coreless 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.t 70,000 lb.; Widest N.A. Ctg line
United States		**Cleveland-Cliffs Kote L.P.**, 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 GA
United States			EG	1991	-	0.017	0.079	24	72.0	NA	-	-	-	-	-				500	-	-	500	-	OPE	7,000	24 Gravitel plating cells; Ni flash in 25th
United States	**California Steel Industries (CSI)**	Fontana, CA	No.1	1966	1999	0.015	0.169	24	60.0	H-DFRT	-	474	-	-	-		474	805	-	-	-	-	-	OP	13,000	Subsidiary of JFE Steel and CVRD.
United States			No.2	1998	-	0.010	0.059	24	52.0	V-DFRT	-	331	-	-	-		331		-	-	-	-	-	OP	12,000	

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(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	**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 coat 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, Gravitel 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 Severstal; 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	**Nucor Steel**	**Nucor Steel Arkansas,** Blytheville (Hickman), AR	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				CAL capable	500		-	-	-	-	-	BB	13,000	Nucor: 5/11/2018: Combi. CAGL $240 MM; Andritz PR 11/3/2018; GEN3 steels
United States		**Nucor Steel Berkeley**, Huger, SC	No.1	1998	2007	0.010	0.106	30	66.0	V-DFRT	-	700	-	-	-		700		-	-	-	-	Acrylic	OP	16,000	Robot skimmer; roll coater
United States		Site to be announced*	No. 1 AHSS	2024	-	TBA	TBA	TBA	TBA	TBA		500					500	**3,692**					-	PA	13,500	* Nucor Sept. 20, 2021 announced $2.7 Bn to build a new 3mn sT/yr flat-rolled mill, "including a tandem cold mill, annealing capabilities and initially two galvanizing lines. Galvanizing capabilities will include an advanced high-end automotive line with full inspection capabilities as well as a construction-grade line." Site to be selected from OH, PA, WV; 1.1 MM st/yr galv
United States			No. 2 Constr.		-	TBA	TBA	TBA	TBA	TBA	TBA						600	**Does not include Nucor-JFE tons**					-	PA	15,000	
United States		**Nucor Steel Decatur LLC,** Trinity, AL	No.1	2009	-	0.020	0.248	30	72.0	V-RT	-	600	-	-	-		600		-	-	-	-	-	OP	20,000	Electromagnetic stabilizer
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	-	0.015	0.130	30	53.0	H-DFRT	351	-	-	-	-		351		-	-	-	-	-	OP	11,000	Construction & appliance; coats Castrip Si-killed steel
United States	**Precoat Metals Baltimore**	Elkridge, MD	EG	1969		0.007	0.057	20	54.0	NA	-	-	-	-	-				71	-	-	71	-	OPE	1,400	Chesapeake Finished Metals (Precoat Metals division of Sequa); 2.90 sq. in max cross-section for EG
United States	**Steel Dynamics Incorporated (SDI)**	**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 HRP, hot bridle, upgrades to Fce., motors, capacity increase
United States			No.2	1997	-	0.010	0.075	36	62.0	H-DFRT	-	360	-	-	-		360		-	-	-	-	-	OP	15,000	CR substrate
United States		**Columbus Division**, Columbus, MS	CGL#1	2007	2021	0.010	0.059	36	72.0	V-DFRT	-	450	-	-	-		450		-	-	-	-	CT & Acrylic	OP	12,000	SMS-Siemag; Andritz 2020 upgrades to new DFF, DRJC, APC, anneal model for AHSS,ex. DP980
United States			CGL#2	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 aluminized; Fives, $140MM
United States		**Jeffersonville Plant,** Jeffersonville, IN	-	1999	2007	0.012	0.043	35	60.0	H-DFRT	100	-	200	-	-		300		-	-	-	-	Acrylic	OP	7,000	2007: added AZ pot 2; N-IR roll coater; former GalvPro JV
United States		**SW Sinton Division**, Sinton (Corpus Christi), TX	No. 1	2021	-	0.010	0.157	36	76.0	H-DFRT		274	276		-		550	**4,745**					Chem. Treat., Acrylic	OP	15,000	SMS, Drever, space future fast cool AHSS, 2 pots- Z, AZ, DumaBandZink, 2 horiz coaters, https://www.sms-group.com/press-media/press-releases/press-detail/thinking-and-producing-in-new-dimensions-1313/
United States			No.2	2H'22	-	TBA	TBA	TBA	TBA	TBA	110		220		-		331						-	PA	6,000	Apr. 15, 2021 SDI announcement
United States		**Heartland 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 Siderúrgica Nacional. Prior to 2001 was Heartland Steel.
United States			No.2	2H'23	-	TBA	TBA	TBA	TBA	TBA	110		220	-	-		331						-	PA	6,000	Jul. 28, 2021 announcement, adding a 300kT galv. Line and a 240kT paint line
United States		**GalvTech** 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		**MetalTech** Pittsburgh, PA	No.1	1961	1994	0.040	0.160	24	52.0	H-DFRT	358	-	-	17	-		375		-	-	-	-	Acrylic, CT	OP	18,000	Commercially produces GALFAN
United States		**NexTech** Turtle Creek, PA	No.1	1990	-	0.007	0.020	28	43.0	H-DFRT	159			11	-		170		-	-	-	-	Acrylic, CT	OP	7,000	Roll coater
United States	**Steelscape** *(NS BlueScope Coated Products)*	Rancho Cucamonga, CA	No.1	1995	1996	0.012	0.0356	26	50.0	V-DFRT	-	-	220	-	-		220	**431**	-	-	-	-	Acrylic, tinted resin	OP	3,000	Part of NS BlueScope Coated Products North America (CPNA), a joint venture between BlueScope Steel and Nippon Steel Corporation
United States		Kalama, WA	No.2	1997	-	0.010	0.047	24	51.0	V-DFRT	211	-	-	-	-		211		-	-	-	-	Yes	OP	7,000	
United States	**Tata Steel Plating**	**Apollo Metals**, Bethlehem, PA	#3	24851	1997	0.010	0.047	30	56.0	NA	-	-	-	-	-	-					55	55	-	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	-	77	-	OPE	2,000	Zn-Ni, Ni electroplating; est. production capacity, actual published n/a
United States	**Ternium, USA**	**Ternium, USA**, Shreveport, LA	No.1	1966	2007	0.33	3.2	610	1372	H-DFRT	130	-	130	-	-	0	260	0	-	-	-	-	-	OP	6600	Former Steelscape (IMSA) 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	-	-	-	-	CAL capable	524	**524**	-	-	-	-	-	OP	13,000	Construction line, SMS-Siemag, Drever, Fontaine; can operate as a combination CAGL; a U. S. Steel company since Jan. 2021
United States			HDGL2	2Q'24	-	TBA	TBA	TBA	TBA	TBA	165		193				358		-	-	-	-	-	PA	6,600	Oct. 28, 2021 earnings call announcement: $280MM new AZ & GI CGL; est. Ctg tons
United States		**Double G Coatings** Byram (Jackson), MS	DGC	1994	2003	0.009	0.031	24	49.0	H-DFRT	95	-	220	-	-		315		-	-	-	-	-	OP	7,000	U. S. Steel/Cleveland-Cliffs 50/50 JV; Construction prepainted (50% tons in Cleveland-Cliffs section)
United States		**Fairfield Works,** Fairfield, AL	No.5 Dualine	1996	2003	0.012	0.039	26	49.5	H-DFRT	100	-	200	-	-		300		-	-	-	-	Acrylic	OP	5,000	Construction; 2 roll coaters
United States		**Granite City Works** Granite City , IL	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 skim, roll coater for Prephos, CT; upgraded cleaner; furnace GJC
United States			No.1 EGL	1985	-	0.016	0.071	36	74.0	NA	-	-	-	-	-		-		-	-	-	-	-	IDE	0	20 vert. plating cells, 100% auto. - IDLE Jan 2016; 300k cap.; used 6.4k Zn
United States		**EGL at Dearborn** Dearborn, MI	DESCCo	1986	1998 2002	0.022	0.065	36	73.0	NA	-	-	-	-	-		-		-	-	-	-	-	IDE	0	U. S. Steel purchased AK Steel's interest 6/2015; IDLE 2020; 635k MT EG, EGA cap.; used 16.3k Zn

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

Colour Code ➔ Operating HD Lines | EG Lines | Under Construction | Publicly Announced | Idle Lines

TBA = To Be Announced

INCH-PC INCH-POUND VERSION

(Calculates sizes and tons from CoatingLinesSI sheet)

Country	Producer	Location	Line ID	Date Built	Latest Rebuild	Thickness (in) Min	Thickness (in) Max	Width (in) Min	Width (in) Max	Furnace Type(*)	Annual Hot-Dip Capacity - 1000's of short tons (k ST) GI only	GA/GI	AZ	GF or ZM	Al, Al-Si	Combi.	Total	Total Company Hot-Dip - ST	Annual EG Capacity - k ST Zn	Zn-Ni	Zn-Fe	Total	Roll Coatings	Status	Annual Zinc Usage - ST	Comments
United States	**United States Steel Corporation**	**Midwest Plant** Portage, IN	72" GACT	1970	2018	0.022	0.126	24	72.0	H&V-RT	-	500	-	-	-		500	**5,637**	-	-	-	-	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		-	-	-	-	Acrylic	OP	5,000	Junkers coreless 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		**Mon Valley Works, Fairless Plant,** Fairless Hills, PA	GAL3	1968	1999	0.015	0.079	24	64.0	H-RT	-	330	-	-	-		330	**Minus 50% of Double G Coatings tons, includes BRS**	-	-	-	-	n/a	OP	6,000	Horizontal RT fce.; 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 skim; LIBS pot chem. Sensor
United States			CGL2	1998	2006	0.015	0.067	24	67.0	V-RT	-	500	-	-	-		500		-	-	-	-	Prephos	OP	10,000	US Steel/Kobe Steel JV; roll coater, exposed GA & AHSS; robot skim
United States			CGL3	2020	-	0.024	0.106	34	65.7	TBA	-	500	-	-	-		500		-	-	-	-	Prephos, CT	OP	11,000	U. S. Steel/Kobe Steel JV; UHSS GEN3 GI, GA - start 2020 (AMM - Sep '17); 2 coating pots
United States		**USS UPI,** Pittsburg, CA	No. 2CC Line	1963	1997	0.0150	0.1265	24	55.5	V-RT	-	400	-	-	-		400		-	-	-	-	n/a	OP	12,000	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.1 AGL	1988	-	0.014	0.106	24	61.0	H-DFRT	-	287	-	13	100		400	**700**	-	-	-	-	-	OP	6,000	ZAM™ added in 2013-2014; Makes Aluminized stainless; Gas-fired GA furnace; 100% Nisshin Steel Co., Ltd. since 2008
United States			No.2 CGL	1993	2000	0.008	0.047	24	50.0	H-DFRT	209	-	90	-	-		300		-	-	-	-	Acrylic	OP	9,000	Construction; Carosel reels; roll coater
United States	**Worthington Industries**	Delta, OH	No.1	1997	2008	0.025	0.250	32	62.0	L-DFRT	-	400	-	-	-		400	**1,000**	-	-	-	-	-	OP	15,000	CQ, culvert, guardrail markets (mostly HR substrate)
United States		**Spartan Steel Coating** Monroe, MI	No.1	1998	2019	0.018	0.075	28	62.0	V-DFRT	-	600	-	-	-		600		-	-	-	-	Prephos, CT, Acrylic	OP	9,000	Worthington 52%/Cleveland-Cliffs 48% JV; DFF lining change to fiber; RJC upgrade

Production Capacity:	Canada	Mexico	USA					
North American - Galvanize Only	674	1,045	5,961	**7,680**	**27,349**	<-- **Total GI+GA/GI**	**1000's ST**	
- Galvanneal/Galvanize Lines	2,216	2,676	15,278		**20,170**			
- GALVALUME® & 55Al-Zn	150	463	1,721			**2,334**		
- GALFAN® , ZM or ZAM™	0	0	56				**56**	
- Aluminized Types I, II	176	0	1,011					**1,187**
- TOTAL Hot-Dip	3,215	4,184	24,027					
- EG Zn	45	53	1,627					
- EG Zn-Ni	0	0	187					
- EG Zn-Fe/other metallic plating	0	0	66					
- Total EG	45	53	1,881					
- Total Hot Dip & EG	**3,261**	**4,237**	**25,907**					

Total capacity estimated as of November 2021 - DOES NOT include BB and PA lines

31,460	**1000's ST**	
1,725		
187		
66		
1,979	**1000's ST**	
33,438	**1000's ST**	

Est. Total Zn, sT:	**1,030,920**
CGLs:	**1,002,591**

North American Line Summary

Type	Total Coating Lines Canada	Mexico	USA	N.A. Total	Operating Canada	Mexico	USA	N.A. Total	Being Built, Major Coating Upgrade Canada	Mexico	USA	N.A. Total	Combi. (Combination CGL & CAL or Pickle & CGL) Canada	Mexico	USA	N.A. Total	Idle Canada	Mexico	USA	N.A. Total	Publicly Announced Canada	Mexico	USA	N.A. Total
Hot Dip Lines - TOTAL (all coatings)	**9**	**15**	**64**	**88**	8	14	55	**77**	1	0	1	**2**	0	0	4	**4**	0	0	1	**1**	**0**	1	7	**8**
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	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	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	**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	**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	**0**
EG Lines	**1**	**1**	**10**	**12**	1	1	8	**10**	0	0	0	**0**	0	0	0	**0**	0	0	2	**2**	0	0	0	**0**
Total EGLs + CGLs				**100**				**87**				**2**				**4**				**3**				**8**

Revised Nov. 2021 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

(*) 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

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