

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 - short tons (ST)					Annual EG Capacity - ST			Roll Coatings	Total Company Hot-Dip - ST	Annual Zinc Usage - ST	Comments	
					Min	Max	Min	Max		GI only	GA/GI	AZ	GF	AL	Total	Zn	Zn-Ni					Zn-Fe
AK Steel Corp	Ashland, KY	#3	1967	1982	0.017	0.079	24	60	V-DFRT	-	370,000	-	-	-	370,000	-	-	-	-	2,900,000	16,000	Induction GA; nitrogen wiping
	Dearborn, MI	#1	2011	2015	0.020	0.106	36	72	V-RT	-	500,000	-	-	-	500,000	-	-	-	Pre-phos		12,000	Exposed GI, GA; AHSS; Severstal NA to 2014
	Middletown, OH	#2 EG	1991	1995	0.019	0.075	75	NA	-	-	-	-	-	-	-	500,000	-	-	500,000		11,000	Gravitel process, 21 plating cells
		#3	1961	2002	0.021	0.138	32	74	H-DFRT	560,000	-	-	-	-	560,000	-	-	-	-		24,000	Nitrogen wiping; not automotive exposed
	#4	1971	-	0.015	0.138	24	62	V-DFRT	-	-	-	470,000	-	-	470,000	-	-	-	0		2 coreless pots; Aluminized type I, II and stainless	
Rockport, IN	CGL	1998	2003	0.018	0.079	41	80	V-RT	-	1,000,000	-	-	-	1,000,000	-	-	-	Prephos	32,000	Max speed 750 fpm, coil weight 70,000 lb.; Widest NAFTA Ctg line		
ArcelorMittal	Burns Harbor, IN	HDCL	1992	-	0.020	0.079	36	72	V-RT	-	606,000	-	-	-	606,000	-	-	-	Prephos, CT	20,000	Induction GA; roll coater; entry & exit auto inspection	
	Cleveland, OH	HDGL	2006	2013	0.022	0.098	39	72	V-DFRT	-	717,000	-	-	-	717,000	-	-	-	CT	28,000	Converted LTV CAL to auto CGL; added GA '07; electromag. Stabilizer; 1000 fpm drives	
	Columbus, OH	HDGL	2000	2005	0.020	0.067	31	72	V-RT	-	441,000	-	-	-	441,000	-	-	-	Prephos	22,000	LS II EG line converted to CGL; 100% GA, 2 main pots + pre-melt; e-mag stabilizer	
	AM Dofasco Hamilton, ON	#1	1955	1995	0.010	0.091	24	51	H-DFRT	-	-	-	-	-	0	-	-	-	Acrylic, CT	0	IDLE - May convert to GI after #4 fully capable on AZ	
		#3	1967	2005	0.008	0.043	24	52	H-DFRT	-	243,000	-	-	-	243,000	-	-	-	0	13,000	Gas fired GA furnace installed 1989	
		#4	1981	2016	0.010	0.091	24	61	H-DFRT	149,000	-	149,000	-	-	298,000	-	-	-	Acrylic, CT	12,000	Dual pots, cleaner for FH AZ, Blowstab APC, 2 vertical acrylic coaters	
		#5	1999	2003	0.020	0.083	34	72	V-RT	-	540,000	-	-	-	540,000	-	-	-	0	8,000	Originally "DSG", a Dofasco/Usinor(Sollac) 80/20 JV; exposed GI & GA; AHSS	
	#6	2014	-	0.039	0.169	24	65	H-DFRT	-	717,000	-	-	-	717,000	-	-	-	-	9,000	Began operating 2015 (GI, GA, HR HDG, AHSS)		
	ArcelorMittal Windsor Windsor, ON	#1	1993	2017	0.016	0.079	24	72	V-DFRT	-	485,000	-	-	-	485,000	-	-	-	Prephos + Cr3, Cr6	7,000	100% AM Dofasco 2013, formerly JV with JFE Steel; formerly DNN Galvanizing renamed DJ Galvanizing Corp. in '04; pre-melt '97	
	Indiana Harbor-West, East Chicago, IN	#2	1963	2016	0.015	0.189	24	72	H-DFRT	-	636,000	-	-	-	636,000	-	-	-	-	32,000	Gas fired GA; horizontal foe.	
Indiana Harbor-East, East Chicago, IN	5 CGL	1968	2004	0.020	0.098	24	72	H-RT	-	0	-	-	-	0	-	-	-	-	0	IDLE - Gas fired GA; hot bridge & new RT furnace 1997; ceramic tubes; formerly ISPAT-inland		
AM Coteau-du-Lac Coteau-du-Lac, PQ	31	1991	1995	0.009	0.134	24	54	H-DFRT	-	250,000	-	-	-	250,000	-	-	-	-	11,000	Formerly Sorevco; 1kg ctg wt golf ball finish; induction GA		
AMNS Calvert (JV of ArcelorMittal Steel and Nippon Steel & Sumitomo Metal Corp.)	Calvert (Mobile), AL	HDGL1	2011	2015	0.020	0.091	36	74	V-RT	-	551,000	-	-	-	551,000	-	-	-	Pre-phos	1,676,000	13,000	GI, (Zn-Al-Mg?), GA; DEMCO e-mag stabilizer; 2 main pots; side trim; Drever furnace w/oxidation control chamber GI, GA (likely begins production 2014, after sale- included in totals); 2 main pots GI, 55Al-Zn, Al-Si, CMI-EFCO; side trim; 2 main pots, 1 pre-melt; space for future 3rd main+ pre-melt. <b>Aluminizing announced April</b>
	HDGL3	2012	2015	0.020	0.098	31	66	V-RT	-	551,000	-	-	-	551,000	-	-	-	CT, Acrylic				
	HDGL4	2011	2014	0.012	0.098	31	66	L-DFRT	243,000	-	-	331,000	-	574,000	-	-	-	-				
Big River Steel	Osceola, AK	HDGL	2016	-	0.012	0.097	31	?	V-RT	441,000	-	-	-	441,000	-	-	-	-	-	13,000	<b>Announced July 16, 2014 - Steel Market Update, construction line, estimated capacity and start date, SMS-Seimag, Drever, Fontaine</b>	
California Steel Industries	Fontana, CA	#1	1966	1999	0.015	0.169	24	60	H-DFRT	-	474,000	-	-	-	474,000	-	-	-	-	805,000	13,000	Subsidiary of JFE Steel and CVRD.
		#2	1998	-	0.010	0.059	24	52	V-DFRT	-	331,000	-	-	-	331,000	-	-	-	12,000			
CSN LLC	Terre Haute, IN	#1	1999	-	0.010	0.059	34	73	?	351,000	-	-	-	351,000	-	-	-	-	-	15,000	2001: a wholly owned subsidiary of Companhia Siderurgica Nacional; Construction (formerly Heartland Steel)	
Galvasid (Grupo Ind. L.M.)	Apodaca, NL, Mexico	#1	2005	-	0.008	0.079	24	62	V-DFRT	120,000	-	120,000	-	240,000	-	-	-	-	-	-	2,000	Cold line with preheat induction furnace; thick ctgs, no cut edge
Gregory Industries	Canton, OH	#1	1980	-	0.030	0.169	2	19	L-IND	-	75,000	-	-	-	75,000	-	-	-	-	-	8,000	lin-line side trimmer
I/N Kote (JV of ArcelorMittal and Nippon Steel & Sumitomo Metal Corp)	New Carlisle, IN	#1	1991	2004	0.015	0.091	24	72	V-RT	-	500,000	-	-	-	500,000	-	-	-	Prephos	7,000	24 Gravitel plating cells; Ni flash in 25th	
		EG	1991	-	0.017	0.079	24	72	NA	-	-	-	-	-	-	400,000	-	-	400,000	1,000	Can coat UHSS up to 1517 MPa (220 ksi)	
Material Sciences Corp	Rexdale, ON	#1 EG	1968	-	0.008	0.080	14	60	NA	-	-	-	-	-	45,000	-	-	45,000	-	11,000	Push/Pull line - POG only, induction GA	
National Galvanizing L.P.	Monroe, MI	#1	1984	1997	0.060	0.250	24	48	H-DFRT	-	225,000	-	-	-	225,000	-	-	-	-	1,000	Orig. Wheeling-Pittsburgh until 2001; acquired by New Star Metals Jul-2013	
New Star Metals (Insight Equity)	Canfield Metal Coating (CMC), Canfield, OH	EG	1957	2003	0.008	0.079	24	48	NA	-	-	-	-	-	66,000	-	-	66,000	Organic & inorganic	8,000	Formerly Materials Sciences; was JV with ArcelorMittal. Gravitel plating process, 20 cells; can coat 1000 MPa AHSS	
	Walbridge, OH	#1 EG	1986	-	0.018	0.098	24	72	NA	-	-	-	-	-	290,000	110,000	-	400,000	Organic	11,000	Formerly Materials Sciences; was JV with ArcelorMittal. Gravitel plating process, 20 cells; can coat 1000 MPa AHSS	
	Electric Coating Technologies, East Chicago, IN	EG	1996	-	0.010	0.087	24	72	NA	-	-	-	-	-	200,000	-	-	181,000	-	7,000	Able to coat UHSS up to 1585 MPa (230 ksi) yield strength; acquired by Insight Equity 2012; started as Metro Metals, 1996	
NMLK Pennsylvania	Sharon, PA	#2	1998	-	0.012	0.071	24	60	L-DFRT	276,000	-	-	-	276,000	-	-	-	-	-	776,000	11,000	NMLK since 2011; formerly Sharon Coating, a 2008 JV of Duferco-Novolipetsk (NMLK) and Severstal; in past was Winner Steel
		#3	2004	-	0.020	0.098	24	72	L-DFRT	-	500,000	-	-	500,000	-	-	-	-	22,000			
Nucor	Berkeley, SC	#1	1998	2007	0.010	0.106	30	66	V-DFRT	-	700,000	-	-	-	700,000	-	-	-	Acrylic	16,000	Robot skimmer; roll coater	
	Crawfordsville, IN	#1	1993	-	0.015	0.130	30	53	H-DFRT	351,000	-	-	-	351,000	-	-	-	-	-	11,000	Construction & appliance; coats Castrip Si-killed steel	
	Decatur, AL	#1	2009	-	0.020	0.079	30	72	V-RT	-	600,000	-	-	-	600,000	-	-	-	-	20,000	Electromagnetic stabilizer	
	Ghent, KY	#1	2019	-	?	?	?	72	?	-	551,000	-	-	-	551,000	-	-	-	-	22,000	Combined hot band pickling & vertical galvanizing; start 2019	
	Hickman, AK	#1	1999	-	0.012	0.106	30	62	H-DFRT	600,000	-	-	-	600,000	-	-	-	-	-	22,000	Construction, HVAC	
Nucor-JFE	Mexico	#1	2019	-	0.016	0.102	31	74	V-RT	-	400,000	-	-	-	400,000	-	-	-	-	-	17,000	GI & GA automotive quality; start 2nd half of 2019
POSCO	Altamira, Mexico	#1	2009	-	0.016	0.091	31	73	?	-	441,000	-	-	-	441,000	-	-	-	-	992,000	17,000	Exposed GA, GI and AHSS

Includes 50% of Double G Coatings

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Producer	Location	Line ID	Date Built	Latest Rebuild	Thickness (in)		Width (in)		Furnace Type(*)	Annual Hot-Dip Capacity - short tons (ST)					Annual EG Capacity - ST			Roll Coatings	Total Company Hot-Dip - ST	Annual Zinc Usage - ST	Comments		
					Min	Max	Min	Max		GI only	GA/GI	AZ	GF	AL	Total	Zn	Zn-Ni					Zn-Fe	Total
POSCO	Atlanta, Mexico	#2	2014	-	?	?	?	?	?	-	551,000	-	-	-	551,000	-	-	-	-	551,000	17,000	Start Jan. 2014; exposed GI & GA; AHSS 780	
Precoat Metals	Elkridge, MD	EG	?	?	0.007	0.064	20	50	NA	-	-	-	-	-	-	64,000	-	-	64,000	-	Chesapeake Finished Metals (Precoat Metals division of Sequa); 2.90 sq. in max cross-section for EG		
Steel Dynamics	Butler, IN	#1	1997	-	0.040	0.165	36	62	H-DFRT	-	400,000	-	-	-	400,000	-	-	-	-	2,991,000	15,000	POG substrate	
		#2	1997	-	0.010	0.075	36	62	H-DFRT	-	360,000	-	-	-	360,000	-	-	-	-		15,000	CR substrate	
	Columbus, MS	#1	2007	-	0.010	0.059	36	72	V-RT	-	450,000	-	-	-	450,000	-	-	-	-		12,000	SMS-Siemag (former SeverCorr line)	
		#2	2011	-	0.018	0.130	36	72	L-DFRT	500,000	-	-	-	-	500,000	-	-	-	-		10,000	SMS-Siemag-Drever; GI only. No roll coater (former SeverCorr line)	
	Jeffersonville, IN	-	1999	2007	0.012	0.043	35	60	H-DFRT	100,000	-	200,000	-	-	300,000	-	-	-	-		15,000	2007: added 2nd pot for AZ ctg; NHR roll coater; former GalvPro JV	
	<b>The Techs</b>																						
	GalvTech Hays, PA	#1	1996	2011	0.015	0.039	24	60	H-DFRT	449,000	-	-	11,000	-	460,000	-	-	-	-		Acrylic	25,000	Commercially produces GALFAN
MetalTech Pittsburgh, PA	#1	1961	1994	0.040	0.130	24	48	H-DFRT	340,000	-	-	11,000	-	351,000	-	-	-	-	Acrylic	18,000	Commercially produces GALFAN		
NexTech Turtle Creek, PA	#1	1990	-	0.007	0.016	24	42	H-DFRT	170,000	-	-	-	-	170,000	-	-	-	-	Acrylic	7,000	Roll coater		
Steelscape (NS BlueScope Coated Products)	Rancho Cucamonga, CA	#1	1995	1996	0.012	0.035	26	50	V-DFRT	-	-	220,000	-	220,000	-	-	-	-	Acrylic, tinted resin	431,000	3,000	2013: NS Bluescope Coated Products, a JV with NSSMC; Formerly Steelscape/Ternium;	
	Kalama, WA	#2	1997	-	0.011	0.047	24	52	V-DFRT	211,000	-	-	-	211,000	-	-	-	-	Yes		7,000	2013 JV with NSSMC; Formerly Steelscape/Ternium;	
Stelco	Hamilton, ON	#3	1968	1997	0.010	0.047	30	56	L-DFRT	200,000	-	-	-	200,000	-	-	-	-	-	700,000	9,000	Selas vertical NOx furnace line; nitrogen wiping	
		Z-Line	1991	2006	0.023	0.087	40	72	V-RT	-	500,000	-	-	-	500,000	-	-	-	-		19,000	Orig. JV with Metal One 40%; at start a CGL-CAL Combo; world's biggest not-430 T first robot skid; nitrogen wipe	
Tenigal SRL de CV	Monterrey, NL, Mexico	CGL	2013	-	0.016	0.102	28	73	V-RT	-	441,000	-	-	441,000	-	-	-	-	-	L-treatment	17,000	Sept., 2013 startup; 51% Ternium, 49% NSSMC; Exposed & AHSS to 980; 2 pots (GI, GA); \$300M facility	
Ternium	HYSLA-GALVAK San Nicholas de los Garza, NL, Mexico	H-G#1	1975	2004	0.01	0.1	24	50.98	H-DFRT	143,000	-	-	-	143,000	-	-	-	-	-	2,124,000	6,000	In-line paint line added	
		H-G#2	1992	2000	0.01	0.1	24	50.98	H-DFRT	-	150,000	-	-	150,000	-	-	-	-	-		6,000		
		H-G#3	1998	2000	0.01	0.0	27	50	H-DFRT	100,000	-	65,000	-	-	165,000	-	-	-	-		2,000		
	IMSA Acero																						
	Monclova, Mexico	IMSA	1996	-	0.008	0.075	24	50	H-DFRT	175,000	-	100,000	-	-	275,000	-	-	-	-			6,000	
	Monterrey, Mexico	#2	1968	2003	0.010	0.079	24	50	H-DFRT	-	160,000	-	-	-	160,000	-	-	-	-				
		#3	1981	2003	0.011	0.134	24	48	H-DFRT	150,000	-	80,000	-	-	230,000	-	-	-	-			11,000	
#4	1996	-	0.011	0.035	24	50	V-DFRT	300,000	-	-	-	-	300,000	-	-	-	-	-		11,000			
Ternium USA, Shreveport, LA	#1	1966	2007	0.013	0.126	24	54	H-DFRT	130,000	-	130,000	-	-	260,000	-	-	-	-	-			Former Steelscape (IMSA) moved from Richmond, CA	
U. S. Steel	Double G Coatings Byram (Jackson), MS	DGC	1994	2003	0.009	0.031	24	49	H-DFRT	100,000	-	200,000	-	-	300,000	-	-	-	-		12,000	USS/AM 50/50 JV; Construction prepainted (50% tons in AM section)	
	Fairfield Works, Fairfield, AL	#5 DualLine	1996	2003	0.012	0.039	26	49	H-DFRT	100,000	-	200,000	-	-	300,000	-	-	-	Acrylic		5,000	Construction; 2 roll coaters	
	Granite City Works Granite City, IL	Triple G	1996	2004	0.009	0.035	24	49	V-RT	100,000	-	180,000	-	-	280,000	-	-	-	-		13,000	Vertical Drever furnace - IDLE Jan 2016	
	<b>Great Lakes Works</b>																						
	EGL at Dearborn Dearborn, MI	-	1986	1998 2002	0.022	0.065	36	73	NA	-	-	-	-	-	-	350,000	-	350,000	700,000		18,000	U. S. Steel purchased AK Steel's interest - June 2015	
	Great Lake Works Ecorse, MI	#1 CGL	2000	2015	0.023	0.079	28	73	V-RT	-	520,000	-	-	-	520,000	-	-	-	-		4,000	NKK-SE line; robot skid	
	#1 EGL	1985	-	0.016	0.071	36	74	NA	-	-	-	-	-	-	331,000	-	-	331,000		7,000	20 vertical plating cells, 100% automotive - IDLE Jan 2016		
	Gary Complex Midwest Plant Portage, IN	72" GACT #3 CL	1970	2006	0.022	0.126	24	72	V-RT	-	500,000	-	-	-	500,000	-	-	-	Prephos, CT		5,000	Induction GA, roll coater; GI & GA UHSS	
	1998	2006	0.009	0.035	24	49	H-DFRT	270,000	-	-	-	-	270,000	-	-	-	-	Acrylic		5,000	Junkers coreless main & PM pots; 55Al-Zn until 2006		
	<b>Mon Valley Complex</b>																						
Irvin Plant, Dravosburg, PA	GAL1	1948	2004	0.036	0.169	22	52	L-DFRT	220,000	-	-	-	-	220,000	-	-	-	-		6,000	HRS and CRS substrate; Selas NOx DFF line		
GAL2	1949	1998	0.014	0.063	24	48	V-DFRT	176,000	-	-	-	-	176,000	-	-	-	-	Acrylic		3,000	Construction & appliance. Converted to dual line in 1997		
Fairless Plant, Fairless Hills, PA	GAL3	1968	1999	0.015	0.079	24	64	H-RT	-	330,000	-	-	-	330,000	-	-	-	-		6,000	Horizontal RT fce.; gas-fired GA; 1999 new Clecim TM, TL, CT, etc.		
PRO-TEC Coating Co., Leipsic, OH	CGL 1	1993	2007	0.023	0.102	36	74	V-RT	-	700,000	-	-	-	700,000	-	-	-	-	Prephos, CT, DFL		10,000	US Steel/Kobe Steel JV; 2 roll coaters; UHSS & exposed GA; robot skid; LIBS pot chem. Sensor	
	CGL 2	1998	2006	0.015	0.067	24	67	V-RT	-	550,000	-	-	-	550,000	-	-	-	-	Prephos			US Steel/Kobe JV; roll coater, exposed GA & AHSS; robot skid	
	CGL 3	2019	1900	0.015	0.067	24	67	V-RT	-	551,000	-	-	-	551,000	-	-	-	-		0	USS/Kobe JV; to produce UHS HDG - start July 2019 (AMM - Sep '17)		
UPI (USS-POSCO Industries)	Pittsburg, CA	#2CC	1963	1997	0.015	0.106	24	54	V-RT	-	400,000	-	-	400,000	-	-	-	-			0	Induction GA, RoHS CT	
Villacero	Cintacero Guadalupe, NL, Mexico	EG	1990	-	0.012	0.126	24	NA	-	-	-	-	-	-	53,000	-	-	53,000				Acquired in 1998 by Villacero from Fisacero	
	Zincacero Apodaca, NL, Mexico	HDGL	1994	-	0.010	0.071	36	49	H-RT	100,000	-	-	-	100,000	-	-	-	-				3,000	

3,997,000  
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Minus 50% of Double G Coatings

