

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	Coat.		Total	Zn	Zn-Ni	Zn-Fe			
AK Steel Corp	Ashland, KY	No.3	1967	1982	0.02	0.1	24	60	V-DFRT	-	0	-	-	-	-	0	-	-	-	-	0	IDLE 11/11/2019: Induc. GA; N2 wipe; 336k MT/yr cap.; 14.3k T Zn use	
	Dearborn, MI	No.1	2011	2016	0.02	0.1	36	72.01	V-DFRT	-	500	-	-	-	CAL capable	500	-	-	-	-	12,000	Exposed GI, GA; NexMet™ AHSS; Severstal NA up to 2014	
		No.2 EG	1991	1995	0.02	0.1		74.8	NA	-	-	-	-	-	-	-	500	-	-	-	11,000	Gravitel process, 21 plating cells	
	Middletown, OH	No.3	1961	2002	0.02	0.1	32	74.02	H-DFRT	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 creelless pots; Aluminized type I, II on C-steel & 40x stainless	
	Rockport, IN	CGL	1998	2003	0.02	0.1	41	80	V-RT	-	1,000	-	-	-	-	1,000	-	-	-	-	32,000	Max speed 750 fpm, coil wt.1,700,000 lb.; Widest N.A. Ctg line	
ArcelorMittal	Burns Harbor, IN	HDGL	1992	-	0.02	0.1	36	72.01	V-RT	-	606	-	-	-	-	606	-	-	-	-	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	-	-	-	-	28,000	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	-	-	-	-	22,000	L-S II EG line converted to CGL; 100% GA, 2 main pots + pre-melt; e-mag stabilizer	
		No.3	1967	2005	0.01	0.0	24	52.01	H-DFRT	-	243	-	-	-	-	243	-	-	-	-	13,000	Gas fired GA furnace installed 1989	
	ArcelorMittal Dofasco G. P., Hamilton, ON	No.4	1981	2016	0.01	0.09	24	60.51	H-DFRT	110	-	150	-	-	-	260	-	-	-	-	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	-	-	-	-	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	-	-	-	-	7,000	100% AM Dofasco 2013, formerly JV with JFE Steel; formerly DNN Galvanizing renamed DJ Galvanizing Corp. in '04, premelt pot '97	
	Indiana Harbor-West, East Chicago, IN	No.2	1963	2016	0.01	0.2	24	72	H-DFRT	-	614	-	-	-	-	614	-	-	-	-	32,000	Gas fired GA; horizontal foe.; 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 bridle & new RT furnace 1997; ceramic tubes; formerly ISPAT-Inland; 376 kMT cap.	
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 Sorevco; 1kg ctg wt golf ball finish; induction GA, Cr3 & Cr6 CT,		
AMNS Calvert (JV of ArcelorMittal Steel and Nippon Steel Corp.)	Calvert (Mobile), AL	HDGL1	2011	2015	0.02	0.1	36	73.62	V-RT	-	551	-	-	-	-	551	-	-	-	-	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)	Osceola, AR	HDGL	2016	-	0.01	0.1	35	72.83	V-DF-H-RT	524	-	-	-	-	CAL capable	524	-	-	-	-	13,000	Construction line, SMS-Seimig, Drever, Fontaine; 49.9% U. S. Steel as of 10-31-19; can operate as a combination CAGL	
California Steel Industries (CSI)	Fontana, CA	No.1	1966	1999	0.01	0.2	24	60	H-DFRT	-	474	-	-	-	-	474	-	-	-	-	13,000	Subsidiary of JFE Steel and CVRD.	
		No.2	1998	-	0.01	0.1	24	52.01	V-DFRT	-	331	-	-	-	-	331	-	-	-	-	12,000		
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	-	-	-	-	7,000	Cold line with preheat induction furnace; thick ctgs, no cut edge	
J/N Kote (JV of ArcelorMittal and Nippon Steel Corp.)	New Carlisle, IN	KCGL	1991	2004	0.01	0.1	24	72.01	V-RT	-	500	-	-	-	-	500	-	-	-	-	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		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	-	-	-	-	-	11,000	Push/Pull line - POG only, induction GA
		No.2	1998	-	0.01	0.1	24	60	L-DFRT	276	-	-	-	-	-	276	-	-	-	-	-	11,000	NMLK since 2011; formerly Sharon Coating, a 2008 JV of Duferco-Novolipetsk (NMLK) and Severstal; in past was Winner Steel
NMLK Pennsylvania	Sharon, PA	No.3	2004	-	0.02	0.1	24	72.01	L-DFRT	-	500	-	-	-	-	500	-	-	-	-	-	22,000	
Nucor Steel	Nucor Steel Arkansas, Blytheville (Hickman), AR	No.1	1999	-	0.01	0.1	30	62.01	H-DFRT	600	-	-	-	-	600	-	-	-	-	-	-	22,000	Construction, HVAC
		No.2 CAGL	1H 2021	-	0.23	2.70	890	1900	V-DFRT	480	-	-	-	-	CAL capable	480	-	-	-	-	-	-	480
	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*																						
	Nucor Steel Decatur LLC, Trinity, AL	No.1	2009	-	0.02	0.2	30	72.01	V-RT	-	600	-	-	-	-	600	-	-	-	-	-	20,000	Electromagnetic stabilizer
Nucor Steel Gallatin, Ghent, KY	No.1 PAGL	2019	-	TBA	0.25	TBA	72.99	H-IND-HTC	-	500	-	-	-	-	500	-	-	-	-	-	-		Combined hot band pickling & vertical galvanizing; started coating 9/27/2019
Nucor Steel Indiana, Crawfordsville, IN	No.1	1993	-	0.01	0.1	30	52.99	H-DFRT	351	-	-	-	-	-	351	-	-	-	-	-	11,000	Construction & appliance; coats Castrip Skilled steel	

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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/JFE Steel México (NJSM)	Silao, Guanajuato, Mexico	No.1	2020	-	0.02	0.1	31	72.83	V-RT	-	441	-	-	-	-	441	441	-	-	-	-	-	17,000	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	992	-	-	-	-	-	17,000	Exposed GA, GI and AHSS; pre-melt pot			
		CGL 2	2014	-	?	?	?	?	V-RT	-	551	-	-	-	-	551	-	-	-	-	-	-	17,000	Start Jan. 2014; exposed GI & GA; AHSS 780; pre-melt pot			
Precoat Metals	Elkridge, MD	EG	?	?	0.01	0.1	20	49.76	NA	-	-	-	-	-	-	0	71	-	-	-	-	-	-	Chesapeake Finished Metals (Precoat Metals division of Sequa); 2.90 sq. in max cross-section for EG			
Steel Dynamics Incorporated (SDI)	Butler, IN	No.1	1997	2018	0.04	0.2	36	62.01	H-DFRT	-	600	-	-	-	-	600	3,825	-	-	-	-	-	15,000	2017 added cleaner, CR substrate to HRP, hot bridge, upgrades to Fca., motors, 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	-	-	-	-	-	12,000	SMS-Siemag (former SeverCorr line)		
		No.2	2011	2016	0.02	0.1	36	72.01	L-DFRT	180	-	-	-	-	-	180		10,000	-	-	-	-	-	10,000	Added 55Al-Zn capability to former SeverCorr GI-only line		
		No.3	2020	-	0.01	0.16	36	72.01	H-DFRT	400	-	-	-	-	-	400		7,000	-	-	-	-	-	7,000	2017 added cleaner, CR substrate to HRP, hot bridge, upgrades to Fca., motors, capacity increase		
	Jeffersonville, IN	-	1999	2007	0.01	0.0	35	60	H-DFRT	100	-	200	-	-	-	300		-	-	-	-	-	-	7,000	2007: added AZ pot 2; NHR 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		-	-	-	-	-	-	15,000	SMS, Dwyer, space future fast cool AHSS; 2 pots-2 AZ, DumaBandZnK; 2 horiz. coolers; https://www.sms-group.com/press-media/cross-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		-	-	-	-	-	-	-	25,000	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	449	-	-	11	-	-	460		-	-	-	-	-	-	-	18,000	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	340	-	-	11	-	-	351	-	-	-	-	-	-	-	7,000	Commercially produces GALFAN			
NexTech Turtle Creek, PA	No.1	1990	-	0.01	0.0	24	42.01	H-DFRT	170	-	-	-	-	-	170	-	-	-	-	-	-	-	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	431	-	-	-	-	-	-	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	-	-	-	-	-	-	-	7,000	Yes			
Stelco	Hamilton, ON	No.3	1968	1997	0.01	0.0	30	55.98	L-DFRT	200	-	-	-	-	-	200	700	-	-	-	-	-	-	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, 1st robot skm; nitrogen wiping		
Tata Steel Planting	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	915	-	-	-	-	-	-	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		-	-	-	-	-	-	-	3,000	\$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	2,070	-	-	-	-	-	-	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 HYSLA-GALVAK	
	Monclova, Mexico	IMSA	1996	-	0.01	0.1	24	50	H-DFRT	175	-	100	-	-	-	276		-	-	-	-	-	-	-	6,000	Formerly IMSA Acero	
	Universidad Plant, Monterrey, Mexico	No.2	1968	2003	0.01	0.1	24	50	H-DFRT	-	160	-	-	-	-	160		-	-	-	-	-	-	-	-	7,000	Formerly IMSA Acero
		No.3	1981	2003	0.01	0.1	24	47.99	H-DFRT	150	-	80	-	-	-	230		-	-	-	-	-	-	-	-	11,000	Formerly IMSA Acero
United States Steel Corporation	Great Lake Works Escorse, MI	No.1 OGL	2000	2020	0.02	0.1	28	72.99	V-RT	-	520	-	-	-	-	520	-	-	-	-	-	-	4,000	20 vert. plating cells, 100% auto. - IDLE Jan 2016; 300k cap.; used 6.4k Zn			
		No.1 EGL	1985	-	0.02	0.1	36	74	NA	-	-	-	-	-	-	-	0	-	-	-	-	-	0	U. S. Steel purchased AK Steel's interest 6/2015; IDLE 2020; 635k MT EG, EGA cap.; used 16.3k Zn			
	EGL at Dearborn Dearborn, MI	DESCO	1986	1998	0.02	0.1	36	73	NA	-	-	-	-	-	-	-	0	-	-	-	-	-	0	U. S. Steel purchased AK Steel's interest 6/2015; IDLE 2020; 635k MT EG, EGA cap.; used 16.3k Zn			
	Midwest Plant Portage, IN	72" GACT	1970	2018	0.02	0.1	24	72.01	H&V-RT	-	500	-	-	-	-	500	-	-	-	-	-	-	5,000	Induction GA, roll coater; GI & GA UHSS			
	Mon Valley Works, Irvin Plant, Drawsborg, PA	No.3 CL	1998	2006	0.01	0.0	24	49.02	H-DFRT	270	-	-	-	-	-	270	5,159	-	-	-	-	-	-	5,000	Junkers coreless main & PM pots; 55Al-Zn until 2006		
		GAL1	1948	2004	0.04	0.2	22	52.01	L-DFRT	220	-	-	-	-	-	220	-	-	-	-	-	-	-	6,000	HRS and CRS substrate; Selas NOx DFF line		
	Mon Valley Works, Fairless Plant, Fairless Hills, PA	GAL2	1949	1998	0.01	0.1	24	47.99	V-DFRT	176	-	-	-	-	-	176	-	-	-	-	-	-	-	3,000	Construction & appliance. Converted to dual line in 1997		
		GAL3	1968	1999	0.01	0.1	24	64.02	H-RT	-	330	-	-	-	-	-	330	-	-	-	-	-	-	6,000	Horizontal RT fm.; gas-fired GA; 1999 new Clecim TM, TL, CT, etc.		

Minus

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

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EG Lines

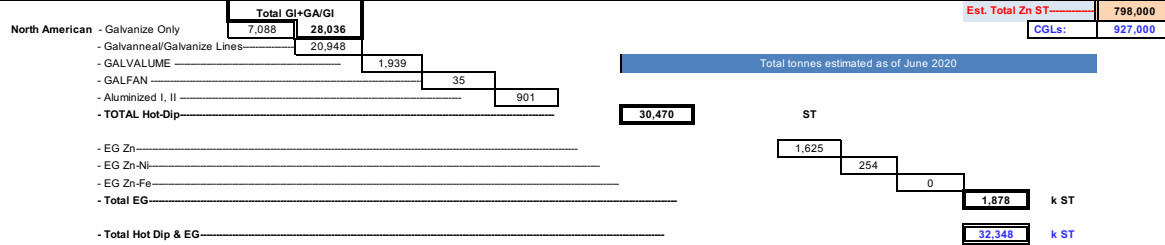
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INCH-POUND VERSION

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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
PRO-TEC Coating Co., Leipsic, OH		CGL 1	1993	2007	0.02	0.1	36	74.02	V-RT	-	700	-	-	-	-	700	50% of Double G Coatings, + 49.9% of BRS tonnes	-	-	-	-	Prephos, CT, DFL	10,000	US Steel/Kobe Steel JV; 2 roll coaters; UHSS & exposed GA; robot skim; LIBS pot chem. Sensor
		CGL 2	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
		CGL 3	2020	-	TBA	TBA	TBA	TBA	TBA	V-RT	-	500	-	-	-	500		-	-	-	-	-	15,000	USS/Kobe JV; to produce UHS HDG - start 2020 (AMM - Sep '17)
UPI (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. 29, 2020	
		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 Apodaca, NL, Mexico	HDGL	1994	-	0.01	0.06	36	48.11	H-RT	100	-	-	-	-	100	100	-	-	-	-	3,000		
Wheeler Nisshin	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% Nisshin 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 Spartan Steel Coating Monroe, MI	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)	
		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		



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 Ref. F. E Goodwin, E. A. Silva Galvatech 2020 and AIST GTC Feb. 2020