

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

Status →

Operating HD Lines

EG Lines

Idle Lines

Inoperable Lines

Under Construction

METRIC (SI) VERSION

Producer	Location	Line ID	Date Built	Latest Rebuild	Thickness (mm)		Width (mm)		Annual Hot-Dip Capacity - metric tonnes (MT)					Annual EG Capacity - MT			Roll Coatings	Total Company hot dip prod	Annual Zn Usage - MT	Comments
					Min	Max	Min	Max	GI only	GA/GI	AZ	GF	AL	Total	Zn	Zn-Ni				
AK Steel Corp	Ashland, KY	#1	1954	1971	?	4.5	1524	-	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE - Culvert line; 136k mtpy
		#3	1967	1982	0.43	2.0	610	1524	-	336,000	-	-	-	-	336,000	-	-	-	14,300	Induction GA; nitrogen wiping
	Middletown, OH	#2 EG	1991	1995	0.48	1.9	1900	-	-	-	-	-	-	-	454,000	-	-	454,000	10,000	Gravitel process, 21 plating cells
		#3	1961	2002	0.53	3.5	810	1880	508,000	-	-	-	-	-	508,000	-	-	-	22,000	Nitrogen wiping; not automotive exposed
		#4	1971	-	0.38	3.5	610	1575	-	-	-	426,000	-	-	426,000	-	-	-	0	2 coreless pots; Aluminized type I, II and stainless
		Terne	1960	-	0.48	2.0	1372	-	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE- in 2007; Terne coating line; 136k mtpy
Rockport, IN	CGL	1998	2003	0.46	2.0	1040	2032	-	907,000	-	-	-	-	907,000	-	-	-	29,000	Max speed 750 fpm, coil weight 70,000 lb.; Widest NAFTA Ctg line	
Burns Harbor, IN	HDCL	1992	-	0.51	2.0	915	1829	-	499,000	-	-	-	-	499,000	-	-	-	18,000	Induction GA; roll coater; entry & exit auto inspection	
AcelorMittal	Cleveland, OH	EG	1986	-	0.38	1.6	660	1854	-	-	-	-	-	-	-	-	-	2,900	IDLE - previous LS-E then JV with AK Steel; 20 vertical plating cells; Cap. 435k mtpy	
		HDGL	2006	2007	0.55	2.5	990	1830	-	638,000	-	-	-	-	638,000	-	-	-	25,000	Converted LTV CAL to auto CGL; added GA '07; electromag. Stabilizer; 1000 fpm drives
	Columbus, OH	HDGL	2000	2005	0.50	1.7	800	1829	-	400,000	-	-	-	-	400,000	-	-	-	19,950	L-S II EG line converted to CGL; 100% GA, 2 main pots + pre-melt; e-mag stabilizer
		#1	1955	1989	0.25	2.3	610	1270	-	-	154,000	-	-	-	154,000	-	-	-	2,500	To be shut down in 2014
	AM Dofasco Hamilton, ON	#2	1960	1999	0.60	4.3	610	1524	-	363,000	-	-	-	-	363,000	-	-	-	11,000	To be shut down in 2014
		#3	1972	1989	0.23	1.9	610	1270	-	254,000	-	-	-	-	254,000	-	-	-	8,600	Gas fired GA furnace installed 1989
		#4	1981	2005	0.25	2.3	610	1524	283,000	-	-	-	-	-	283,000	-	-	-	9,600	To be converted to GALVALUME production in 2014
		#5(DSG)	1999	2003	0.51	2.0	914	1829	-	408,000	-	-	-	-	408,000	-	-	-	17,600	Originally a Dofasco/Usinor(Sollac) 80/20 JV; exposed GI
	DJ Galvanizing Windsor, ON	#6	2014	-	1.00	4.3	610	1651	-	700,000	-	-	-	-	700,000	-	-	-	0	To be operating 4Q 2013 (GI, GA, HR, HDG)
		DJG	1993	1997	0.41	2.0	610	1829	-	381,000	-	-	-	-	381,000	-	-	-	16,000	100% AM Dofasco, formerly JFE Steel Corp JV; renamed DJ Galvanizing Corp '04 (formerly DNN Galvanizing); pre-melt pot '97
	Hennepin, IL	?	1967	1997	0.30	4.2	610	1524	-	-	-	-	-	-	-	-	-	-	0	IDLE - soon Inoperable; cap. 445k mtpy
		Indiana Harbor-West, IN	#1	1961	2006	0.30	1.8	610	1524	-	-	-	-	247,000	247,000	-	-	-	-	0
#2			1963	1991	0.38	4.8	610	1829	-	577,000	-	-	-	-	577,000	-	-	-	28,800	Gas fired GA; horizontal fce.
Indiana Harbor-East, IN		3 CGL	1958	1997	0.48	2.5	610	1524	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE
		4 ALUM	1961	1996	0.48	2.5	610	1524	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE
		5 CGL	1968	2004	0.51	2.5	610	1829	-	376,000	-	-	-	-	376,000	-	-	-	13,000	Gas fired GA; hot bridle & new RT furnace 1997, ceramic tubes
IN Kote New Carlisle, IN		#1	1991	2004	0.38	2.3	610	1829	-	454,000	-	-	-	-	454,000	-	-	-	7,600	AcelorMittal/Nippon Steel JV; Fe-Zn flash coat capability
		EG	1991	-	0.43	2.0	610	1829	-	-	-	-	-	-	263,000	100,000	-	363,000	6,800	AcelorMittal/NSC JV; 24 Gravitel plating cells; Ni flash in 25th
AM Coteau-du-Lac Coteau-du-Lac, PQ	#1	1991	1995	0.23	3.4	610	1372	-	227,000	-	-	-	-	227,000	-	-	-	10,000	Formerly Sorevco; 1kg ctg wt golf ball finish; induction GA	
	Weirton, WV	#3	1957	1978	0.89	4.3	610	1219	-	-	-	-	-	-	-	-	-	-	3,100	IDLE - Gas fired GA
		#4	1958	1994	0.25	0.8	610	1067	-	-	-	-	-	-	-	-	-	-	2,500	IDLE - Galfan produced 1985 to early 1990s
		#5	1966	2000	0.30	1.1	610	1219	-	-	-	-	-	-	-	-	-	-	3,100	IDLE - Gas fired GA furnace
EG	1972	1994	0.25	1.1	610	991	-	-	-	-	-	-	-	-	-	-	-	0	IDLE - EG	
California Steel Industries	Fontana, CA	#1	1966	1999	0.38	4.3	610	1524	-	430,000	-	-	-	-	430,000	-	-	-	12,000	Subsidiary of JFE Steel and CVRD.
		#2	1998	-	0.25	1.5	610	1321	-	300,000	-	-	-	-	300,000	-	-	-	11,000	
Precoat (CFM)	Elkridge, MD	EG	?	?	0.18	1.6	610	1372	-	-	-	-	-	-	64,000	-	-	64,000	1,400	Chesapeake Finished Metals (Precoat Metals division of Sequa)
CSN LLC	Terre Haute, IN	#1	1999	-	0.30	3.3	864	1854	318,000	-	-	-	-	318,000	-	-	-	-	14,000	Construction (formerly Heartland Steel)
Follansbee Steel	Follansbee, WV	HD	?	-	?	?	?	-	-	-	-	-	-	-	-	-	-	-	?	IDLED 2012; company closed; Flux line; specialty construction, inc. Zn-Sn-X alloy; "terne 2"
Galvasid (Grupo Ind. L.M.)	Apodaca, NL, Mexico	#1	2005	-	0.20	2.0	610	1575	109,000	-	109,000	-	-	218,000	-	-	-	-	-	
Galvstar	Buffalo, NY	Galvstar	2012	-	0.30	1.5	1524	1524	217,000	-	-	10,000	-	227,000	-	-	-	-	6,000	Start-up June 2011; GI and GALFAN
Gregory Industries	Canton, OH	#1	1980	-	0.75	2.4	508	508	68,000	-	-	-	-	68,000	-	-	-	-	1,800	Cold line with preheat induction furnace; thick ctgs, no cut edge
Material Sciences Corp. (MSC)	Walbridge, OH	#1 EG	1986	-	0.46	2.5	610	1829	-	-	-	-	-	263,000	100,000	-	363,000	Organic	7,300	Formerly JV with AcelorMittal, Gravitel plating process, 20 cells; can coat 1000 MPa AHSS
Metal Koting	Rexdale, ON	#1 EG	1968	-	0.20	2.0	813	1524	-	-	-	-	-	41,000	-	-	41,000	-	800	Can coat >1000 MPa UHSS
National Galvanizing L.P.	Monroe, MI	#1	1984	1997	1.52	6.35	610	1219	-	204,000	-	-	-	204,000	-	-	-	-	9,600	Push/Pull line - POG only, induction GA
New Star Metals (Insight Equity)	Canfield Metal Coating (CMC), Canfield, OH	EG	1957	2003	0.20	2.0	610	1219	-	-	-	-	-	-	60,000	-	60,000	Organic & inorganic	1,200	Orig. Wheeling-Pittsburgh until 2001; acquired by New Star Metals Jul-2013
		EG	1996	-	0.25	2.20	610	1829	-	-	-	-	-	-	181,000	-	181,000	-	?	Able to coat UHSS up to 1585 MPa (230 ksi) yield strength; acquired by Insight Equity 2012; started as Metro Metals, 1996

5,397,000
Includes 50% of Double G Coatings tonnes

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Producer	Location	Line ID	Date Built	Latest Rebuild	Thickness (mm)		Width (mm)		Annual Hot-Dip Capacity - metric tonnes (MT)					Annual EG Capacity - MT			Roll Coatings	Total Company hot dip prod	Annual Zn Usage - MT	Comments		
					Min	Max	Min	Max	GI only	GA/GI	AZ	GF	AL	Total	Zn	Zn-Ni					Zn-Fe	Total
Nucor	ECT, Bridgeview, IL	EG	?	?	?	?	1524		-	-	-	-	-	-	-	-	-	-	-	-	INOPERABLE - fire January 29, 2008	
	Berkeley, SC	#1	1998	2007	0.25	2.7	762	1676	-	635,000	-	-	-	-	635,000	-	-	-	-	2,041,000	14,300	Robot skimmer, roll coater
	Crawfordsville, IN	#1	1993	-	0.38	3.3	762	1346	318,000	-	-	-	-	-	318,000	-	-	-	-		10,000	Construction & appliance; coats Castrip Si-killed steel
	Decatur, AL	#1	2009	-	0.51	2.0	762	1829	-	544,000	-	-	-	-	544,000	-	-	-	-		18,000	electromagnetic stabilizer
	Hickman, AK	#1	1999	-	0.30	2.7	762	1575	544,000	-	-	-	-	-	544,000	-	-	-	-		20,000	Construction, HVAC
POSCO	Altamira, Mexico	#1	2009	-	0.40	2.3	800	1860	-	400,000	-	-	-	-	400,000	-	-	-	-	15,000	Exposed GA, GI and AHSS	
		#2	2013	-	?	?	?	?	-	500,000	-	-	-	-	500,000	-	-	-	-	15,000	About to start Sept. 2013	
Precision	Ambridge, PA	?	1955	1996	0.43	2.7	838	1524	-	-	-	-	-	-	-	-	-	-	-	-	INOP - Flux line, 160k mtpy	
RG Steel - no longer in operation	Sparrows Point, MD	#1	1952	1980	0.36	0.8	610	1219	-	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE -163k mtpy; where GALVALUME was first coated	
		#2	1954	1997	0.61	2.5	610	1219	-	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE -	
		#3	1956	1972	0.38	1.9	610	1219	-	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE -Induction dryer at roll coater	
		#4	1992	2001	0.28	1.9	610	1219	-	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE -Induction dryer at roll coater	
	Warren, OH	#2	1962	2000	0.48	4.3	483	1219	-	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE -formerly WC; cold flux line	
	Martins Ferry, OH (Flux Lines)	#1	1953	1981	0.20	0.5	610	614	-	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE -Flux Line; formerly Wheeling-Pittsburgh	
		#2	1955	1980	0.46	1.9	610	1219	-	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE -(Flux Line)	
#3		1965	1980	0.58	4.2	610	1524	-	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE -Flux Line		
Severstal NA	Dearborn, MI	#1	2011	-	0.50	2.7	914	1829	-	454,000	-	-	-	-	454,000	-	-	-	pre-phos	1,577,120	11,000	Exposed GA, GI and AHSS
		#1	2007	-	0.36	1.5	914	1829	-	408,000	-	-	-	-	408,000	-	-	-	-		11,000	SMS-Siemag
		#2	2011	-	0.56	3.2	914	1829	454,000	-	-	-	-	-	454,000	-	-	-	-		9,000	SMS-Siemag-Drever; GI only. No roll coater
Sharon Coating	Sharon, PA	#1	1995	-	0.20	1.0	610	1219	136,000	-	-	-	-	-	136,000	-	-	-	-	-	5,600	2008 - Sharon Coating is a JV of Duferco-Novolipetsk and Severstal
		#2	1998	-	0.30	1.8	610	1524	318,000	-	-	-	-	-	318,000	-	-	-	-		10,300	Formerly Winner Steel
		#3	2004	-	0.51	2.5	610	1839	-	635,000	-	-	-	-	635,000	-	-	-	-		20,000	
Steel Dynamics	Butler, IN	#1	1997	-	1.02	4.2	914	1575	-	363,000	-	-	-	-	363,000	-	-	-	-	1,851,000	14,000	POG substrate
	#2	1997	-	0.25	1.9	914	1575	-	327,000	-	-	-	-	327,000	-	-	-	-	14,000		CR substrate	
	Jeffersonville, IN	-	1999	2007	0.30	1.1	890	1524	91,000	-	181,000	-	-	-	272,000	-	-	-	-		14,000	2007: added 2nd pot for AZ ctg; N-R roll coater; former GalvPro JV
	GalvTech Hays, PA	#1	1996	2011	0.38	1.0	610	1524	407,000	-	-	10,000	-	-	417,000	-	-	-	-		23,000	Commercially produces GALFAN
	MetaTech Pittsburgh, PA	#1	1961	1994	1.02	3.3	610	1219	308,000	-	-	10,000	-	-	318,000	-	-	-	-		16,000	Commercially produces GALFAN
Steelscape (BlueScope Steel & NSSMC JV)	Rancho Cucamonga, CA	#1	1995	1996	0.25	0.9	610	1321	-	-	200,000	-	-	-	200,000	-	-	-	Acrylic	2,300	Formerly BHP, Steelscape/Ternium; 2013 JV with NSSMC	
Tenigal SRL de CV	Kalama, WA	#2	1997	-	0.28	1.2	610	1321	191,000	-	-	-	-	-	191,000	-	-	-	Yes	6,000	Formerly BHP, Steelscape/Ternium; 2013 JV with NSSMC	
	Monterrey, NL, Mexico	-	2013	-	?	?	920	1850	-	400,000	-	-	-	-	400,000	-	-	-	-	15,000	3Q startup - 51% Ternium, 49% NSSMC - Exposed and AHSS	
Ternium	HYSLA-GALVAK San Nicholas de los Garza, NL, Mexico	H-G#1	1975	2004	0.20	1.9	610	1295	130,000	-	-	-	-	-	130,000	-	-	-	-	1,719,000	5,300	In-line paint line added
		H-G#2	1992	2000	0.25	2.7	610	1295	-	136,000	-	-	-	-	136,000	-	-	-	-		2,000	
		H-G#3	1998	2000	0.20	1.2	686	1270	91,000	-	59,000	-	-	-	150,000	-	-	-	-			
	IMSA Acero	Monclova, Mexico	IMSA	1996	-	0.20	1.9	610	1270	159,000	-	91,000	-	-	-	250,000	-	-	-		-	5,600
	#2		1968	2003	0.25	2.0	610	1270	-	145,000	-	-	-	-	145,000	-	-	-	-			
	Monterrey, Mexico	#3	1981	2003	0.28	3.4	610	1219	136,000	-	73,000	-	-	-	209,000	-	-	-	-		10,300	
#4		1996	-	0.28	0.9	610	1270	272,000	-	-	-	-	-	272,000	-	-	-	-	10,300			
Ternium, USA, Shreveport, LA	#1	1966	2007	0.33	3.2	610	1372	118,000	-	118,000	-	-	-	236,000	-	-	-	-	-	Former steelscape (IMSA) moved from Richmond, CA		
ThyssenKrupp Steel USA	Calvert (Mobile), AL	HDGL1	2011	-	0.50	2.3	920	1870	-	500,000	-	-	-	-	500,000	-	-	-	pre-phos	1,500,000	-	GI, (Zn-Al-Mg?), GA; DEMCO e-mag stabilizer; 2 main pots; side trim; Drever furnace w/oxidation control chamber Combo CR CAL start April 2011, later GI; cap. 600k metric tons 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
		HD/CAL2	2011	-	0.50	2.3	920	1870	0	-	-	-	-	0	-	-	-	pre-phos	-			
		HDGL3	2012	-	0.50	2.5	800	1670	-	500,000	-	-	-	-	500,000	-	-	-	-		-	
		HDGL4	2011	-	0.30	2.5	800	1670	350,000	-	150,000	-	later	-	500,000	-	-	-	CT, Acrylic		-	
DESCO River Rouge, MI	Double G Coatings Jackson, MS	#1	1986	1998/2002	0.56	1.7	914	1854	-	-	-	-	-	-	-	381,000	-	386,000	767,000	16,300	US Steel/Severstal NA 50/50 JV. TO CEASE Joint Venture Oper. 1st Qtr 2014 per Severstal, Jul. 15, 2013	
		DGC	1994	2003	0.23	0.8	610	1245	91,000	-	181,000	-	-	-	272,000	-	-	-	-	11,000	USS/AM 50/50 JV; Construction pre-painted (50% tons in AM section)	
		#4	1968	2001	0.30	1.9	660	1575	-	-	-	-	-	-	-	-	-	-	-	12,700	IDLE - GI, Heurtey powder zinc treatment	
		Fairfield Works Fairfield, AL	#5 DualLine	1996	2003	0.30	1.0	660	1257	91,000	-	181,000	-	-	-	272,000	-	-	-	Acrylic	4,300	Construction; 2 roll coaters
		Gary Works Gary, IN	GAL6	1962	2000	0.58	2.6	610	1524	-	-	-	-	-	-	-	-	-	-	Spray Phos	5,700	INOPERABLE - GA & GI, CR & HR, HCD Cleaner

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

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Operating HD Lines

EG Lines

Idle Lines

Inoperable Lines

Under Construction

METRIC (SI) VERSION

Producer	Location	Line ID	Date Built	Latest Rebuild	Thickness (mm)		Width (mm)		Annual Hot-Dip Capacity - metric tonnes (MT)						Annual EG Capacity - MT				Roll Coatings	Total Company hot dip prod	Annual Zn Usage - MT	Comments	
					Min	Max	Min	Max	GI only	GA/GI	AZ	GF	AL	Total	Zn	Zn-Ni	Zn-Fe	Total					
U. S. Steel	Granite City Works Granite City, IL	#7AG	1986	2000	0.33	0.7	610	1168	-	-	-	-	-	-	-	-	-	-	-	-	15,200	IDLE - fastest NAFTA CGL, 1200 fpm drives (Tin CAL)	
		Triple G	1996	2004	0.23	0.9	610	1245	91,000	-	163,000	-	-	-	254,000	-	-	-	-	-	-	12,000	Vertical Drever furnace
	Great Lake Works Encorse, MI	#1 CGL	2000	2005	0.58	2.0	711	1854	-	472,000	-	-	-	-	472,000	-	-	-	-	-	-	3,800	NKK-SE line; robot skim
		#1 EGL	1985	-	0.41	1.8	914	1880	-	-	-	-	-	-	-	300,000	-	-	-	300,000	-	6,400	20 vertical plating cells, 100% automotive
	Midwest Plant Portage, IN	#1	1960	-	0.30	1.3	610	1219	-	-	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE	
		72" GACT	1970	2006	0.56	3.2	610	1829	-	454,000	-	-	-	-	454,000	-	-	-	-	-	Prephos, CT	4,400	Induction GA, roll coater
		#3 CL	1998	2006	0.23	0.9	610	1245	245,000	-	-	-	-	-	245,000	-	-	-	-	-	Acrylic	4,400	Coreless main & PM pots
	Mon Valley Complex Fairless, PA	GAL3	1968	1999	0.23	0.9	610	1626	-	299,000	-	-	-	-	299,000	-	-	-	-	-	-	5,400	gas-fired GA, horizontal, new TM, TL, etc.
			1948	2004	0.91	4.3	560	1321	200,000	-	-	-	-	-	200,000	-	-	-	-	-	Acrylic	2,500	HRS and CRS substrate; Selas NOx DFF line
		GAL2	1949	1998	0.36	1.6	610	1219	160,000	-	-	-	-	-	160,000	-	-	-	-	-	-	5,400	Construction & appliance. Converted to dual line in 1997
			1960	1985	0.36	2.2	560	1372	-	-	-	-	-	-	-	-	-	-	-	-	-	0	INOPERABLE - Nickel-Terne coating line
	US Steel, Canada Hamilton, ON	#2	1961	-	0.64	4.3	686	1270	-	-	-	-	-	-	-	-	-	-	-	-	0	IDLE - Sendzimir line	
		#3	1968	1997	0.25	1.2	762	1422	181,000	-	-	-	-	-	181,000	-	-	-	-	-	-	8,300	Selas vertical NOx furnace line; nitrogen wiping
		Z-Line	1991	2006	0.58	2.2	1016	1829	-	454,000	-	-	-	-	454,000	-	-	-	-	-	-	17,100	Orig. JV with Metal One 40%; at start a CGL-CAL Combo; world's biggest pot - 390 MT, first robot skim; nitrogen wipe
PRO-TEC Coating Leipsic, OH	CGL 1	1993	2007	0.58	2.6	914	1880	-	635,000	-	-	-	-	635,000	-	-	-	-	-	Prephos, CT, DFL	9,500	US Steel/Kobe Steel JV; 2 roll coaters; UHSS & exposed GA; robot skim; LIBS pot chem. Sensor	
	CGL 2	1998	2006	0.38	1.7	610	1702	-	499,000	-	-	-	-	499,000	-	-	-	-	-	Prephos	9,500	US Steel/Kobe JV; rolls coater, exposed & AHSS; robot skim	
UPI (USS-POSCO Industries) Pittsburg, CA	#1CC	1953	2000	0.30	1.2	610	1219	-	-	-	-	-	-	-	-	-	-	-	-	-	4,600	IDLE - USS-POSCO 50/50 JV	
	#2CC	1963	1997	0.38	2.7	610	1372	-	363,000	-	-	-	-	363,000	-	-	-	-	-	-	14,000	Induction GA, RoHS CT	
Villacero	Cintacero Guadalupe, NL, Mexico	EG	1990	-	0.30	3.2	610	-	-	-	-	-	-	-	48,000	-	-	-	-	-	100	Acquired in 1998 by Villacero from Fisacero	
	Zincacero Apodaca, NL, Mexico	HDGL	1994	-	0.25	1.8	914	1245	91,000	-	-	-	-	91,000	-	-	-	-	-	-	3,000		
Wheeling Nisshin	Follansbee, WV	#1 AGL	1988	-	0.36	2.7	610	1549	-	272,000	-	(ZAM™)	91,000	363,000	-	-	-	-	-	-	-	5,400	ZAM™ added in 2013-2014; Makes Aluminized stainless; Gas fired GA furnace
		#2 CGL	1993	2000	0.20	1.2	610	1270	218,000	-	81,000	-	-	-	299,000	-	-	-	-	-	Acrylic	9,600	Construction; Carousel reels; roll coater
Worthington Industries	Delta, OH	#1	1997	2008	0.64	6.35	813	1575	-	363,000	-	-	-	363,000	-	-	-	-	-	-	13,600	CQ, culvert, guardrail markets (mostly HR substrate)	
	Spartan Steel Coating Monroe, MI	#1	1998	2009	0.43	1.9	711	1575	-	544,000	-	-	-	544,000	-	-	-	-	-	Prephos, CT, acrylic	8,000	Worthington 52%/Severstal NA 48% JV	

4,261,000

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Minus 50% of Double G Coatings tonnes

Lines Being Built as of August 2013

ArcelorMittal Dofasco - Hamilton, ON

North American

- Galvanize Only: 7,048,000

- Galvanneal/Galvanize Lines: 17,056,000

- GALVALUME: 1,741,000

- GALFAN: 30,000

- Aluminized I, II: 764,000

- **TOTAL Hot-Dip: 27,339,000 MT**

- EG Zn: 0

- EG Zn-Ni: 2,055,000

- EG Zn-Fe: 200,000

- **Total EG: 2,641,000 MT**

- **Total Hot Dip & EG: 29,980,000 MT**

Est. Total Zn MT: 906,450

Excludes **IDLE** lines

Total tonnes include operating lines only - estimated as of August 2013

North American Line Summary

Type	Total	Operating	Idle	Inoperable	Being Built
Hot Dip Lines - TOTAL (all coatings)	100	77	8	14	1
Hot Dip Galvanize Lines (GI but no GA)	52	33	6	13	0
HDG Lines with GI & GA capability	41	37	2	0	2
Lines with GALVALUME capability	13	11	2	0	0
Lines with Galfan capability	3	3	0	0	0
Lines with ZAM™ capability	1	1	0	0	0
Lines with Aluminizing capability	5	4	0	1	0
EG Lines	14	10	3	1	0
Terne Lines	2	0	1	1	0

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

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