

2019 AIST North American Galvanizing Lines Roundup

AIST Roundup data is based on information submitted in the fourth quarter of 2018.

Company/location	Line ID	Date built/latest major upgrade	Thickness (mm)		Width (mm)		Furnace type
			Min	Max	Min	Max	

Canada

ArcelorMittal Dofasco G.P. Hamilton, Ont.	#1 (idle)	1955/1995	0.25	2.3	610	1,293	H-DFRT
	#3	1967/2005	0.20	1.1	610	1,321	H-DFRT
	#4	1981/2016	0.25	2.3	610	1,538	H-DFRT
	#5	1999/2003	0.50	2.1	863	1,829	V-RT
	#6	2014	1.00	4.3	610	1,651	H-DFRT
Coteau-du-Lac Montreal, Que.	#1	1991/1995	0.23	3.4	610	1,372	H-DFRT
Windsor, Ont.	#1	1993/2017	0.40	2.1	610	1,829	V-DFRT
Material Sciences Corp. Toronto, Ont.	#1 EG	1968	0.20	2.0	356	1,524	NA
Stelco Hamilton, Ont.	#3	1968/1997	0.25	1.2	762	1,422	L-DFRT
	Z-Line	1991/2006	0.58	2.2	1,016	1,829	V-RT

Mexico

Galvasid (Grupo Ind. L.M.) Apodaca, N.L.	#1	2005	0.20	2.0	610	1,575	V-DFRT
Nucor-JFE Steel México (joint venture between Nucor Steel and JFE Steel) Silao, Gto.	CGL	2019	0.40	2.6	800	1,860	—
POSCO Altamira, Tamps.	#1	2009	0.40	2.0	800	1,860	—
	#2	2014	0.40	2.3	800	1,860	—
Tenigal SRL de C.V. (joint venture between Nippon Steel & Sumitomo Metal Corp. and Ternium) Monterrey, N.L.	CGL #1	2013	0.40	2.6	700	1,850	V-RT
	CGL #2	2019	—	—	—	—	—
Ternium HYSLA-GALVAK San Nicolás de los Garza, N.L.	H-G#1	1975/2004	0.20	1.9	610	1,295	H-DFRT
	H-G#2	1992/2000	0.25	2.7	610	1,295	H-DFRT
	H-G#3	1998/2000	0.20	1.2	686	1,270	H-DFRT
IMSA Acero Monclova, Coah.	IMSA	1996	0.20	1.9	610	1,270	H-DFRT
IMSA Acero Monterrey, N.L.	#2	1968/2003	0.25	2.0	610	1,270	L-DFRT
	#3	1981/2003	0.28	3.4	610	1,219	H-DFRT
	#4	1996	0.28	0.9	610	1,270	V-DFRT

Furnace types: V = vertical; H = horizontal; L = vertical and horizontal (may or may not be "L" shaped); DF = direct fired; RT = radiant tube; IND = induction. Interested in becoming a member of the AIST Galvanizing Technology Committee? Contact Ken Landau at klandau@aist.org.

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Annual hot-dip capacity (metric tons)						Surface treatment	Annual Zn usage (metric tons)	Total company hot-dipped production (metric tons)
GI only	GA/GI	AZ	GF	AL	Total			
—	—	—	—	—	—	Acrylic, CT	—	—
—	220,000	—	—	—	220,000	Cr6	12,000	2,300,000
135,000	—	135,000	—	—	270,000	Acrylic, Cr6	11,000	
—	490,000	—	—	—	490,000	—	7,300	
—	650,000	—	—	—	650,000	Cr6	7,900	
—	230,000	—	—	—	227,000	Cr3, Cr6	70,000	
—	440,000	—	—	—	440,000	Prephos + Cr3, Cr6	6,000	
—	—	—	—	—	—	—	800	N/A
181,000	—	—	—	—	181,000	—	8,300	635,000
—	454,000	—	—	—	454,000	—	17,100	
109,000	—	109,000	—	—	218,000	—	—	218,000
—	—	—	—	—	400,000	—	—	400,000
—	400,000	—	—	—	400,000	—	15,000	900,000
—	500,000	—	—	—	500,000	—	15,000	
—	400,000	—	—	—	400,000	L-treatment	15,000	830,000
—	—	—	—	—	430,000	—	—	
130,000	—	—	—	—	130,000	—	—	1,292,000
—	136,000	—	—	—	136,000	—	5,300	
91,000	—	59,000	—	—	150,000	—	2,000	
159,000	—	91,000	—	—	250,000	—	5,600	
—	145,000	—	—	—	145,000	—	—	
136,000	—	73,000	—	—	209,000	—	10,300	
272,000	—	—	—	—	272,000	—	10,300	

* = under construction; EG = electrogalvanize; GI = galvanize; GA = galvaneal; AZ = 55Al-Zn; GF = Galfan; AL = aluminized I, II; CT = chemical treatment; DFL = dry film lube; N/A = not applicable.

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			Min	Max	Min	Max	
Villacero Cintacero Guadalupe, N.L.	EG	1990	0.30	3.2	—	610	NA
Zincacero Apodaca, N.L.	HDGL	1994	0.25	1.8	914	1,245	H-RT

United States

AK Steel Corp. Ashland, Ky.	#3	1967/1982	0.43	2.0	610	1,524	V-DFRT	
Dearborn, Mich.	#1	2011/2016	0.57	2.7	863	1,829	V-RT	
Middletown, Ohio	#2 EG	1991/1995	0.48	1.9	—	1,900	N/A	
	#3	1961/2002	0.53	3.5	810	1,880	H-RFRT	
	#4	1971	0.38	3.5	610	1,575	V-DFRT	
Rockport, Ind.	CGL	1998/2003	0.46	2.0	1,040	2,032	V-RT	
AM/NS Calvert (joint venture of ArcelorMittal and Nippon Steel & Sumitomo Metal Corp.) Calvert, Ala.	HDGL1	2011/2015	0.50	2.3	920	1,870	V-RT	
	HDGL3	2012/2015	0.50	2.5	800	1,670	V-RT	
	HDGL4	2011/2014	0.30	2.5	800	1,670	L-DFRT	
ArcelorMittal USA Burns Harbor, Ind.	HDCL	1992	0.51	2.0	915	1,829	V-RT	
	Cleveland, Ohio	HDGL	2006/2013	0.55	2.5	990	1,830	V-DFRT
	Columbus, Ohio	HDGL	2000/2005	0.50	1.7	800	1,829	V-RT
	Indiana Harbor – West East Chicago, Ind.	#2	1963/2016	0.38	4.8	610	1,830	H-DFRT
	Indiana Harbor – East East Chicago, Ind.	5 CGL (idle)	1968/2004	0.51	2.5	610	1,830	H-RT
Big River Steel Osceola, Ark.	HDGL	2016	0.36	3.0	915	1,850	V-V-H	
California Steel Industries Inc. Fontana, Calif.	#1	1966/1999	0.38	4.3	610	1,524	H-DFRT	
	#2	1998	0.25	1.5	610	1,321	V-DFRT	
Double G Coatings Co. L.P. (joint venture of ArcelorMittal and United States Steel Corporation) Jackson, Miss.	DGC	1994/2003	0.23	0.8	610	1,245	H-DFRT	
Gregory Industries Inc. Canton, Ohio	#1	1980/2018	0.76	4.6	51	495	L-IND	
I/N Kote (joint venture of ArcelorMittal and Nippon Steel & Sumitomo Metal Corp.) New Carlisle, Ind.	#1	1991/2004	0.38	2.3	610	1,829	V-RT	
	EG	1991	0.43	2.0	610	1,829	N/A	

Furnace types: V = vertical; H = horizontal; L = vertical and horizontal (may or may not be “L” shaped); DF = direct fired; RT = radiant tube; IND = induction. Interested in becoming a member of the AIST Galvanizing Technology Committee? Contact Ken Landau at klandau@aist.org.

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Annual hot-dip capacity (metric tons)						Surface treatment	Annual Zn usage (metric tons)	Total company hot-dipped production (metric tons)
GI only	GA/GI	AZ	GF	AL	Total			
—	—	—	—	—	—	—	100	91,000
91,000	—	—	—	—	91,000	—	3,000	
—	336,000	—	—	—	336,000	—	14,300	2,631,000
—	454,000	—	—	—	454,000	Pre-phos, CT	11,000	
—	—	—	—	—	—	—	10,000	
508,000	—	—	—	—	508,000	—	22,000	
—	—	—	—	426,000	426,000	—	0	
—	907,000	—	—	—	907,000	Prephos	29,000	1,520,000
—	500,000	—	—	—	500,000	Pre-phos	—	
—	500,000	—	—	—	500,000	Pre-phos, CT	—	
220,000	—	—	—	300,000	520,000	CT, Acrylic	—	
—	550,000	—	—	—	550,000	Prephos, CT	18,000	2,177,000
—	650,000	—	—	—	650,000	CT	25,000	
—	400,000	—	—	—	400,000	Pre-phos	19,950	
—	577,000	—	—	—	577,000	—	0	
—	0	—	—	—	0	—	10,000	
400,000	—	—	—	—	400,000	—	12,000	400,000
—	430,000	—	—	—	430,000	—	12,000	730,000
—	300,000	—	—	—	300,000	—	11,000	
91,000	—	181,000	—	—	272,000	—	11,000	272,000
—	131,614	—	—	—	131,614	—	6,185	131,614
—	—	—	—	—	—	Pre-phos	7,600	—
—	—	—	—	—	—	—	6,800	

* = under construction; EG = electrogalvanize; GI = galvanize; GA = galvalneal; AZ = 55Al-Zn; GF = Galfan; AL = aluminized I, II; CT = chemical treatment; DFL = dry film lube; N/A = not applicable.

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Company/location	Line ID	Date built/latest major upgrade	Thickness (mm)		Width (mm)		Furnace type
			Min	Max	Min	Max	
Material Sciences Corp. Canfield, Ohio	EG	1957/2003	0.20	2.0	610	1,219	N/A
East Chicago, Ind.	EG	1996	0.25	2.2	610	1,829	N/A
Walbridge, Ohio	#1 EG	1986	0.46	2.5	610	1,829	N/A
National Galvanizing L.P. Monroe, Mich.	#1	1984/1997	1.52	6.4	610	1,219	H-DFRT
NLMK NLMK Pennsylvania Sharon, Pa.	#2	1998	0.30	1.8	610	1,524	L-DFRT
	#3	2004	0.51	2.5	610	1,829	L-DFRT
Nucor Corp. Nucor Steel—Arkansas Blytheville, Ark.	#1	1999	0.30	2.7	762	1,575	H-DFRT
Nucor Steel—Berkeley Huger, S.C.	#1	1998/2007	0.25	2.7	762	1,676	V-DFRT
Nucor Steel—Decatur LLC Trinity, Ala.	#1	2009	0.51	2.0	762	1,829	V-RT
Nucor Steel Gallatin Ghent, Ky.	#1	2019	—	6.3	—	1,854	H-I-HTC
Nucor Steel—Indiana Crawfordsville, Ind.	#1	1993	0.38	3.3	762	1,346	H-DFRT
Precoat Metals Elkridge, Md.	EG		0.18	1.6	508	1,264	N/A
PRO-TEC Coating Co. (joint venture of United States Steel Corporation and Kobe Steel Ltd.) Leipsic, Ohio	CGL 1	1993/2007	0.58	2.6	914	1,880	V-RT
	CGL 2	1998/2006	0.38	1.7	610	1,702	V-RT
	CGL 3	2019	—	—	—	—	—
Spartan Steel Coating LLC (joint venture of Worthington Industries and AK Steel Corp.) Monroe, Mich.	#1	1998/2009	0.43	1.9	711	1,575	V-DFRT
Steel Dynamics Inc. Flat Roll Group Butler Division Butler, Ind.	#1	1997	1.02	4.2	914	1,575	H-DFRT
	#2	1997	0.25	1.9	914	1,575	H-DFRT
Flat Roll Group Columbus Division Columbus, Miss.	#1	2007	0.25	1.5	914	1,829	V-RT
	#2	2011	0.46	3.3	914	1,829	L-DFRT
Jeffersonville, Ind.	—	1999/2007	0.30	1.1	890	1,524	H-DFRT
Heartland Division Terre Haute, Ind.	#1	1999	0.25	1.5	864	1,854	—
GalvTech Hays, Pa.	#1	1996/2011	0.38	1.0	610	1,524	H-DFRT
MetalTech Pittsburgh, Pa.	#1	1961/1994	1.02	3.3	610	1,219	H-DFRT
NextTech Turtle Creek, Pa.	#1	1990	0.18	0.4	610	1,067	H-DFRT

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GI only	GA/GI	AZ	GF	AL	Total			
—	—	—	—	—	—	Organic and inorganic	1,200	N/A
—	—	—	—	—	—	—	—	
—	—	—	—	—	—	Organic	7,300	
—	204,000	—	—	—	204,000	—	9,600	204,000
250,000	—	—	—	—	250,000	—	10,300	704,000
—	454,000	—	—	—	454,000	—	20,000	
544,000	—	—	—	—	544,000	—	20,000	2,475,000
—	635,000	—	—	—	635,000	—	14,300	
—	544,000	—	—	—	544,000	—	18,000	
—	—	—	—	—	434,000	—	—	
318,000	—	—	—	—	318,000	—	10,000	
—	—	—	—	—	—	—	1,400	N/A
—	635,000	—	—	—	635,000	Prephos, CT, DFL	9,500	—
—	499,000	—	—	—	499,000	Prephos	9,500	
—	454,000	—	—	—	—	—	—	
—	544,000	—	—	—	544,000	Prephos, CT, acrylic	8,000	—
—	363,000	—	—	—	363,000	—	14,000	3,031,000
—	327,000	—	—	—	327,000	—	14,000	
—	408,000	—	—	—	408,000	—	11,000	
454,000	—	—	—	—	454,000	—	9,000	
91,000	—	181,000	—	—	272,000	—	14,000	
318,000	—	—	—	—	318,000	—	14,000	
407,000	—	—	10,000	—	417,000	Acrylic	23,000	
308,000	—	—	10,000	—	318,000	Acrylic	16,000	
154,000	—	—	—	—	154,000	Acrylic	6,800	

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			Min	Max	Min	Max	
Steelscape LLC (joint venture between Nippon Steel and BlueScope Steel) Kalama, Wash.	#2	1997	0.28	1.2	610	1,321	V-DFRT
Rancho Cucamonga, Calif.	#1	1995/1996	0.30	0.9	660	1,270	V-DFRT
Ternium USA Inc. Shreveport, La.	#1	1966/2007	0.33	3.2	610	1,372	H-DFRT
United States Steel Corporation Fairfield Works Fairfield, Ala.	#5 DualLine	1996/2003	0.30	1.0	660	1,257	H-DFRT
Midwest Plant Portage, Ind.	72" GACT	1970/2018	0.56	3.2	610	1,829	HV-RT
	#3 CL	1998/2006	0.23	0.9	610	1,245	H-DFRT
Granite City Works Granite City, Ill.	Triple G	1996/2004	0.23	0.9	610	1,245	V-RT
Great Lakes Works Ecorse, Mich.	#1 CGL	2000/2015	0.58	2.0	711	1,854	V-RT
	#1 EGL	1985	0.41	1.8	914	1,880	N/A
Great Lakes Works EGL at Dearborn Dearborn, Mich.	—	1986/2002	0.56	1.7	914	1,854	N/A
Mon Valley Works Fairless Plant Fairless Hills, Pa.	GAL3	1968/1999	0.37	2.0	610	1,626	H-RT
Mon Valley Works Irvin Plant West Mifflin, Pa.	GAL1	1948/2004	0.91	4.3	560	1,321	L-DFRT
	GAL2	1949/1998	0.36	1.6	610	1,219	V-DFRT
USS-POSCO Industries Pittsburg, Calif.	#2CC	1963/1997	0.38	2.7	610	1,372	V-RT
Wheeling-Nisshin Inc. Follansbee, W.Va.	#1 AGL	1988	0.36	2.7	610	1,549	H-DFRT
	#2 CGL	1993/2000	0.20	1.2	610	1,270	H-DFRT
Worthington Industries Delta, Ohio	#1	1997/2008	0.64	6.4	813	1,575	L-DFRT

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GI only	GA/GI	AZ	GF	AL	Total			
191,000	—	—	—	—	191,000	Yes	6,000	391,000
—	—	200,000	—	—	200,000	Acrylic, tinted resin	2,300	
118,000	—	118,000	—	—	236,000	—	—	236,000
91,000	—	181,000	—	—	272,000	—	11,000	2,3565,000
—	454,000	—	—	—	454,000	Pre-phos, CT	4,400	
245,000	—	—	—	—	245,000	Acrylic	4,400	
91,000	—	163,000	—	—	254,000	—	12,000	
—	472,000	—	—	—	472,000	Pre-phos, CT	3,800	
—	—	—	—	—	—	—	6,400	
—	—	—	—	—	—	—	16,300	
—	299,000	—	—	—	299,000	—	5,400	
200,000	—	—	—	—	200,000	—	5,400	
160,000	—	—	—	—	160,000	Acrylic	2,500	
—	363,000	—	—	—	363,000	—	—	363,000
—	272,000	—	(ZAM™)	91,000	363,000	—	5,400	662,000
218,000	—	81,000	—	—	299,000	Acrylic	9,600	
—	363,000	—	—	—	363,000	—	13,600	363,000

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