

WORLD STEEL DYNAMICS

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North American Producer Facility Ratings

SAMPLE

WORLDSTEELDYNAMICS

North American Producer Facility Ratings

Facility Ratings are generated for all producers for the following processes:

Coke ovens for blast furnace coke

Blast furnaces in steel mills

Alternative iron facilities

Steel furnaces for major producers

Continuous slab casters

Reheat furnaces – hot strip mills

Carbon hot strip mills

Carbon plate mills

Heavy structural mills

Pickling lines

Carbon cold reduction mills

Continuous anneal and heat treating lines

Carbon – temper mills

Galvanize, aluminum and terne lines

Electro galvanize lines

Double reduction mills

Tin mill products – plating lines

WORLDSTEELDYNAMICS

DFB 5 STAR FACILITY RATINGS FOR 19 BLAST FURNACES IN STEEL MILLS

COMPANY	FCE No	MJR RELINE		TAP HLS	COKE RATE	CRBN RATE	NG-OIL		COAL INJ	O2 Net	HRTH DIA	WORK'G VOL	TPD HT	TONS/ CU FT	H.B. TEMP	SPEC. FEAT.	% CPC	ST	ANNUAL CAPAC	RATINGS
		LAST	NEXT				CHARGE (P/S/O/SI)	TN/TN												
ACME	A																			
	B																			
ALGOMA	4	1985	--	65/35/0/0	1	0.440	.500	0.03	N/A	1.0	17'0"	16,800	1,370	29.8	1,825°		0%	DN	500	*
	5	1980	--	65/35/0/0	1	0.540	.500	--	N/A	1.0	27'0"	45,600	2,465	19.7	1,775°		0%	DN	900	**
	6	1994	2001	65/35/0/0	1	0.430	.490	0.04	N/A	1.0	27'0"	45,600	2,465	19.7	1,775°		0%	DN	900	**
	7	1995	2002	85/15/0/0	2	0.405	.430	0.08	N/A	4.0	36'0"	88,200	6,850	28.3	2,025°	CF;	100%	OP	2,500	*****

AKSteel

ASH
A
B

MID
1
2
3

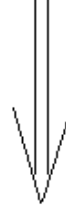
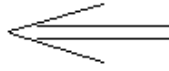
BETHLEHEM STEEL

BH
C
D

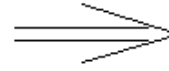
SP PT
H
J
K
L

BETH
B
C
D

DOFASCO
1
2
3
4



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WORLDSTEELDYNAMICS

DFB 5 STAR FACILITY RATINGS FOR 19 REHEAT FURNACES - HOT STRIP MILLS

COMPANY	YEAR BLT	MAJOR REVAMP	No FCS	FCE TYPE	<----SLAB DIMENSIONS ----> THICK (INCH)	WIDTH (INCH)	LENGTH (FEET)	TOT DLAY	BTU'S /TON	<--% SLAB CHARGE ---> COLD	HOT	DIR	Output TPH	% CPC	CAST VS INGOT SLB (%C-%I)		
LTV CORP																	
CLEVE-WEST																	
CLEVE-EAST																	
IND HARBOR																	
McLOUTH	1954	1984	1	WLKG BM	8-10"	28-58"	14-29'	32%	1.75	100%	0%	100%				100/0	
NATIONAL STEEL																	
GRAN CITY	1967																
GREAT LAKES	1961																
NEWPORT	1985																
NUCOR -CRW	1989																
ROUGE	1974																
CAPARO	1964																
SID/DOS	1963																
STELCO																	
HAMILTON	1947																
LAKE ERIE	1984																
	1990																
UNITED STATES STEEL																	
FAIRFIELD	1969																
FAIRLESS	1953																
GARY	1967																
MON-VALLEY	1938																
WARREN CONS	1961																
WEIRTON	1992																
WHG/PGH	1965																

**DFB 5 STAR FACILITY RATINGS FOR 19
TIN MILL PRODUCTS - PLATING LINES**

COMPANY	YEAR BUILT	MAJOR GAGE REVAMP RANGE	MAX WIDTH (INCH)	MAX WEIGHT (POUNDS)	MAX SPEED (FPM)	MILL AMPS	TYPE	IN-LN SLIT	TEN LVL	% CPC	ANN. CAPAC (x1000)	RATINGS
WP-YORK	1943	1995 .006- "	18-36"	30,000	700	45,000	HAL/TFS	NO	YES	0% PA	100 DN *	2

WP-OC

Note: Data deleted

6,415

DFB 5 STAR FACILITY RATINGS FOR 19

TIN MILL PRODUCTS - PLATING LINES: SUMMARY

OVERALL SUMMARY:	%	TONS	RATING
"VERY HIGH"	0%	0	*****
"HIGH"	14%	825	*****
"MEDIUM - AVERAGE"	49%	2,860	***
"LOW"	36%	2,100	**
"VERY LOW"	0%	0	*
GRAND TOTALS (WT AVERAGE RATING) ...		5,785	2.780
USA PRODUCTION CAPACITY		5,055	
CANADIAN CAPACITY		730	
IDLE CAPACITY		0	

CPC=Percent Computer Process Control; HAL=Halogen; FER=Ferrostan; TFS=Tin Free (Chrome);
PREP=In Line Slitting on Prep Line;

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DFB 5 STAR FACILITY RATINGS FOR 19 GALVANIZE, ALUMINUM AND TERME LINES

COMPANY	YEAR BUILT	MAJOR FINISH	COIL WIDTH	MAX WGT	MAX SPD	LINE CONF	ENTRY ACMTR	IN-LN QUALITY/ ANN FEATURES	% CPC	PROD USE	PD	STS	ANNUAL CAPAC	RATINGS
		(INCH)	(INCH)	(lb)	(FPM)		(FEET)						x1,000	
GULF STATES	1955													
INLAND	1951													
	1954													
	1955													
	1961													
	1968													
I/N KOTE	1991													
LTV CORP	1960													
IND HARBOR	1964													
HENNEPIN	1967													
NATIONAL STEEL	1961													
GRAN CITY	1967													
	3G 1996													
GREAT LAKES	2000													
MIDWEST	1960													
	1970													
	1998													
SPARTAN (W/R)	1998													
STELCO	1955	.010-.068"	24-48"	30,000	300	VRT	150	NO	--	APPL		DN	130	***
HAMILTON	1961	--	24-48"	40,000	300	HRZ	680	YES	--	CONNS/AUTO			230	***
	1968	.010-.052"	30-60"	65,000	500	HRZ	650	YES	TL, TM, H	AP/AT			250	***
	1991	.020-.060"	30-72"	70,000	500	HRZ	700	YES	TL, TM, CWC, H	AUTO	GA/GZ		450	*****



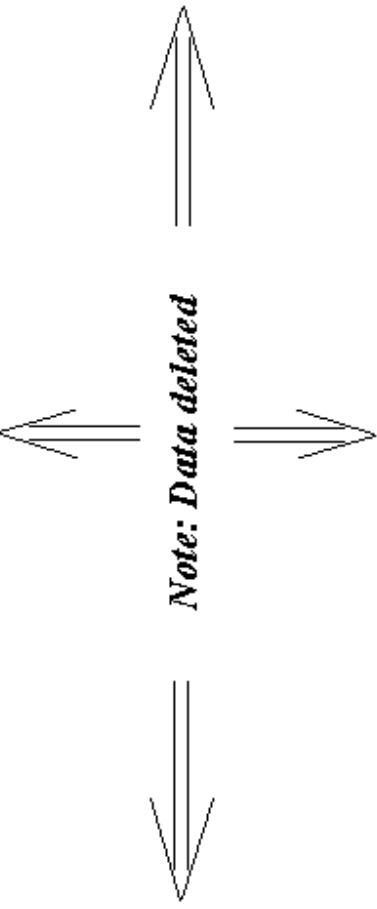
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**DFB 5 STAR FACILITY RATINGS FOR 19
ELECTRO GALVANIZE LINES**

COMPANY	YEAR BUILT	MAJOR FINISH	MAX GAGE	MAX RAN	MAX WIDTH	MAX WEIGHT	MAX SPEED	ENTRY AC	TOTAL AMPS	AMPS /INCH	% CPC	PROD USE	ANN CAPAC	RATINGS
		(INCH)	(INCH)	(INCH)	(INCH)	(FPM)	(FEET)	(x 1000)	(x 1000)	(x 1000)		AUTO	(x1,000)	
AK MIDDLETOWN	1986	1995	.020-.078"	24-72"	90,000	600							575	*****



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OVERALL SUMMARY: (OPERATING)	%	TONS	RATING
"VERY HIGH"	56%	2,315	*****
"HIGH"	30%	1,235	*****
"MEDIUM - AVERAGE"	12%	480	***
"LOW"	2%	80	**
"VERY LOW"	0%	0	*
GRAND TOTALS (WT AVERAGE RATING) ...		4,110	4.408
USA PRODUCTION CAPACITY (OPERATING)		4,110	
CANADIAN CAPACITY (OPERATING)		0	
PROPOSED NEW CAPACITY		240	
IDLED CAPACITY		0	

CPC=Percent Computer Process Control;

* zinc, paint, nickel

WORLDSTEELDYNAMICS

NORTH AMERICAN PRODUCER FACILITY RATINGS

An assessment of the technical characteristics and capacities of all American major flat steel producer facilities. Each mill is rated based on its age and condition, performance and market acceptability of product. Includes capacity, technical performance and operating parameters.

\$7,000 _____

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