

NonFerrous Metals & FerroAlloys Melting Facilities of North America



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Legend:
COPPER, LEAD, NICKEL, ZINC, TITANIUM
FERROALLOYS, CALCIUM CARBIDE & OTHER ALLOYS
P = Primary Smelter
I = Ingot
F = Fabricating
AS = Aluminum Sheet
R = Recycling
PI = Primary Ingot
RI = Recycled Ingot
XS = Specialty Alloy Sows
B = Billet Casting
MF = Mill Finish
S = Smelting
SI = Secondary Ingot
RA = Rolled Alum. Sheet
CP = Cast Plate
RF = Refiner
RS = Recycled Sows
DS = Deox Shot
FR = Flat Rolled
SR = Secondary Refining
PC = Painted Coils
M = Molten Aluminum
PA = Primary Alloy
C = Casting
CI = Direct Chill Casting
RM = Remelter
RC = Recycled Cones
DC = Deox Cones
AB = Alloy Burns
SA = Secondary Alloy
CA = Custom Alloy Prod.

#	Parent Company	Company	City	Type of Operations	Production Capacity (Tons)	Type of Metal	#	Parent Company	Company	City	Type of Operations	Production Capacity (Tons)	Type of Metal
1	Falcon Foundry Inc.	Chippewa Falls, WI	Jewellville, OH	Foundry - Castings		Copper	1	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Melting - Ingot		Titanium
2	Freeport-McMoRan	Freeport, NY	Miami, AZ	Castnet Smelter/Electric Furnace/Copper Ref.	300,000	Copper	2	Alcoa	Alcoa Titanium & Engineered Products	Altoona, OH	Foundry	Various shapes, sizes, and grades	Ti, Al Ti, Ti
3	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Electrowinning	450,000	Copper cathodes	3	Chlor Metals Inc.	Chlor Metals Inc.	Ottawa, IL	Armstrong process	200,000	Ti powder
4	Freeport-McMoRan	Freeport, NY	Bogalusa, LA	Electrowinning	16,000	Copper cathodes	4	Remetec Company	Remetec Company	Chattanooga, TN	Electrowinning	100,000	Ti powder
5	Chryso Tech	Chryso Tech	Aransas Pass, TX	Refining	720,000	Copper Anodes	5	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
6	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	6	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
7	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	7	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
8	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	8	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
9	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	9	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
10	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	10	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
11	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	11	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
12	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	12	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
13	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	13	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
14	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	14	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
15	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	15	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
16	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	16	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
17	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	17	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
18	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	18	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
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26	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	26	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
27	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	27	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
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31	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	31	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder
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50	Freeport-McMoRan	Freeport, NY	Moroni, AZ	Refining	12,000	High purity copper	50	Alcoa	Alcoa Titanium & Engineered Products	Chattanooga, TN	Electrowinning	100,000	Ti powder

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These maps include the following data:

- melting operations involving Copper, Nickel, Lead, Zinc & Titanium metals, as well as Ferroalloys. All the ferroalloy plants shown have submerged arc furnaces.
- Each numbered pin location is color coated to indicate the type of non-ferrous metal or ferroalloy.

- The listing is organized by the type of metal and company, alpha and indicates the specific metal or ferroalloy produced at that plant.
- The listing indicates the type of operation, such as smelter, refinery, etc.
- The listing indicates the production capacity, if available.
- Each record in the listing is color coated by country location.
- Current Plant Status (To Be Constructed, Under Construction, Active, Idle, Closed)

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