

# Mineral Industry Surveys

**For information, contact:**

Adam Merrill, Tin Commodity Specialist  
 National Minerals Information Center  
 Telephone: (703) 648-7715  
 Email: amerrill@usgs.gov

Sidney Deloach-Overton (Data)

Telephone: (703) 648-4927

Email: sdeloach-overton@usgs.gov

**Internet:** <https://www.usgs.gov/centers/national-minerals-information-center/mineral-industry-surveys>

## TIN IN JANUARY 2022

Domestic reported consumption of primary refined tin in January 2022 was 1,530 metric tons (t), a 3% increase from that in December 2021 and an 8% decrease from that in January 2021. Apparent consumption of refined tin in January 2022 was 5,470 t, an 8% increase from that in December 2021 and a 63% increase from that in January 2021 (table 1).

**Prices**

The S&P Global Platts Metals Week average New York dealer price of Grade A tin for January 2022 was \$20.05 per pound, a 3% increase from that in December 2021, and a 61% increase from that in January 2021. The average London Metal Exchange cash price of Grade A tin for January 2022 was \$18.96 per pound, a 6% increase from that in December 2021, and a 56% increase from that in January 2021 (fig. 1, table 2).

**U.S. Trade**

Total refined tin imports in January 2022 were 4,720 t, a 12% increase from those in December 2021 and an 83% increase from those in January 2021. The leading sources of refined tin in January 2022 were Indonesia (34%), Peru (19%), Bolivia (14%), Brazil (14%), and Malaysia (12%). Total refined tin exports in January 2022 were 109 t, an increase of 87 t from those in December 2021 (table 4).

**Update**

Strategic Minerals Europe Corp. has commenced mining from a new pit at the Penouta mine in northwestern Spain. Prior production was from tailing ponds, a result of previous operations at the mine. The deposit at the Penouta contains a measured and indicated resource of 76.3 million tons at 443 parts per million of tin. Production of primary concentrate was expected to increase from 65 metric tons per month (tpm) to 90 tpm by the first half of 2022 and then to 100 tpm by the end of the year. Concentrates were expected to contain an estimated 70% tin (CRU International Ltd., 2022; International Tin Association Ltd., 2022).

**References Cited**

CRU International Ltd., 2022, New tin operation starts up in Europe: London, United Kingdom, CRU International Ltd., January 27. (Accessed January 27, 2022, via <https://www.crugroup.com/>.)  
 International Tin Association Ltd., 2022, Penouta pit moves into production: Frogmore, United Kingdom, International Tin Association Ltd., January 26. (Accessed March 22, 2022, at <https://www.internationaltin.org/penouta-pit-moves-into-production/>.)

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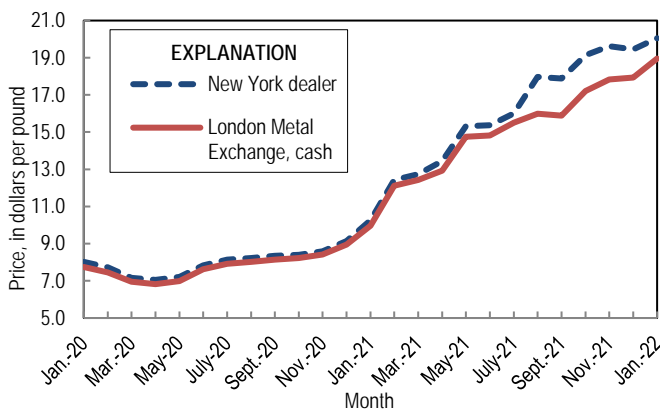


Figure 1. Average monthly prices for Grade A tin from January 2020 through January 2022. Source: S&P Global Platts Metals Week.

TABLE 1  
SALIENT TIN STATISTICS<sup>1</sup>

(Metric tons, unless otherwise noted)

	2021		2022
	Year <sup>p</sup>	December	January
Production, secondary <sup>e,2</sup>	10,300	858	858
Consumption, reported:			
Primary	18,400	1,490	1,530
Secondary	680	28	20
Consumption, apparent <sup>3</sup>	47,300	5,040	5,470
Imports for consumption, refined tin	38,300	4,200	4,720
Exports, refined tin	1,300	22	109
Stocks at end of period	4,550 <sup>r</sup>	4,550 <sup>r</sup>	4,510
Prices (average cents per pound): <sup>4</sup>			
Metals Week New York dealer, Grade A	1,580.06	1,944.29	2,004.89
London Metal Exchange cash	1,478.14	1,794.01	1,895.55

<sup>e</sup>Estimated. <sup>p</sup>Preliminary. <sup>r</sup>Revised.

<sup>1</sup>Data are rounded to no more than three significant digits, except prices.

<sup>2</sup>Includes tin recovered from alloys and tinplate. The detinning of tinplate (coated steel) yields only a small part of the total.

<sup>3</sup>Defined as secondary production plus imports minus exports.

<sup>4</sup>Source: S&P Global Platts Metals Week.

TABLE 2  
AVERAGE TIN PRICES

(Cents per pound)

Period	Metals Week New York dealer, Grade A	London Metal Exchange cash
2021:		
January	1,026.00	995.88
February	1,241.88	1,211.88
March	1,273.33	1,242.68
April	1,345.22	1,293.11
May	1,531.50	1,475.28
June	1,536.78	1,482.24
July	1,601.22	1,550.51
August	1,796.78	1,599.03
September	1,788.22	1,589.13
October	1,914.25	1,721.01
November	1,961.25	1,782.94
December	1,944.29	1,794.01
January–December <sup>p</sup>	1,580.06	1,478.14
2022, January	2,004.89	1,895.55

<sup>p</sup>Preliminary.

Source: S&P Global Platts Metals Week.

TABLE 3  
TINPLATE PRODUCTION AND SHIPMENTS IN THE UNITED STATES<sup>1</sup>

(Metric tons, unless otherwise noted)

Period	Tinplate (all forms)			
	Production			Shipments <sup>2</sup> (gross weight)
	Gross weight	Tin content	Tin per metric ton of plate (kilograms)	
2021:				
January	42,200	459	10.9	90,700
February	39,600	447	11.3	79,800
March	39,200	447	11.4	85,200
April	40,600	455	11.2	82,400
May	43,300	455	10.5	82,700
June	40,000	448	11.2	80,800
July	39,700	449	11.3	87,200
August	37,900	440	11.6	90,700
September	36,300	433	11.9	90,900
October	40,800	457	11.2	95,000
November	30,700	416	13.5	96,100
December	39,300	440	11.2	109,000
January–December	470,000	5,350	11.4	1,070,000
2022, January	37,100	439	11.8	72,400

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Source: American Iron and Steel Institute monthly publication.

TABLE 4  
U.S. TIN IMPORTS FOR CONSUMPTION AND EXPORTS<sup>1</sup>

(Metric tons, gross weight)

Country/locality, or product	2021		2022
	Year <sup>p</sup>	December	January
<b>Imports:</b>			
Refined tin:			
Belgium	323	--	35
Bolivia	6,830	267	683
Brazil	3,470	374	664
Chile	284	--	--
China	1,560	90	--
India	176	176	--
Indonesia	8,410	1,840	1,590
Malaysia	4,040	390	565
Peru	11,400	942	891
Poland	1,290	97	122
Thailand	287	1	50
Other	223 <sup>r</sup>	21	119
<b>Total</b>	<b>38,300</b>	<b>4,200</b>	<b>4,720</b>
<b>Other:</b>			
Alloys	1,110	44	59
Bars, rods, profiles, and wire	1,770	226	95
Flakes and powders	299	13	10
Foil	110	27	1
Plates, sheets, strip	38	3	1
Tubes, pipes, and tube and pipe fittings	38	(2)	(2)
Waste and scrap	18,600	1,230	702
Miscellaneous <sup>3</sup>	1,510	138	250
<b>Exports:</b>			
Refined tin	1,300	22	109
Alloys	630	19	35

<sup>p</sup>Preliminary. <sup>r</sup>Revised. -- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Less than ½ unit.

<sup>3</sup>Includes other articles of tin not elsewhere specified or included (HTS code 8007.00.5000).

Source: U.S. Census Bureau.

TABLE 5  
REPORTED CONSUMPTION OF TIN IN THE UNITED STATES, BY FINISHED PRODUCT<sup>1</sup>

(Metric tons of contained tin)

Product	2021			2022			
	Year <sup>p</sup>	December		January		Total	
		Primary	Secondary	Primary	Secondary		
Alloys (miscellaneous) <sup>2</sup>	1,910	156	--	156	155	--	155
Babbitt	96	7	W	7	8	W	8
Bronze and brass	936	48	20	68	51	12	64
Chemicals	3,140	231	--	231	263	--	263
Solder	1,650 <sup>r</sup>	110	W	110	116	W	116
Tinning	235	19	--	19	19	--	19
Tinplate <sup>3</sup>	5,370 <sup>r</sup>	440	W	440	439	W	439
Other <sup>4</sup>	5,760 <sup>r</sup>	477	8	484	478	8	485
Total reported	19,100	1,490	28	1,520	1,530	20	1,550

<sup>p</sup>Preliminary. <sup>r</sup>Revised. W Withheld to avoid disclosing company proprietary data; included with "Other." -- Zero.

<sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.

<sup>2</sup>Includes terne metal.

<sup>3</sup>Includes secondary pig tin and tin components of tinplating chemical solutions.

<sup>4</sup>Includes britannia metal, collapsible tubes and foil, jewelers' metal, pewter, tin powder, type metal, and white metal.