

# MALAYSIAN TIN PRODUCTS NEWSLETTER

QUARTERLY | APRIL - JUNE 2022



PP 7387/01/2013 (031914)

ISSN 1511-1598



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## PRINTED BY:

Marzuq Print & Trading  
No. 38, Jalan SM1A  
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# NIHON SUPERIOR (M) SDN. BHD.



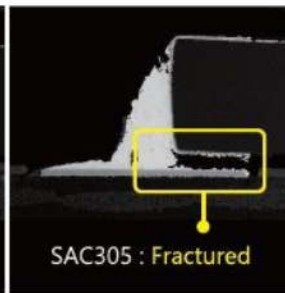
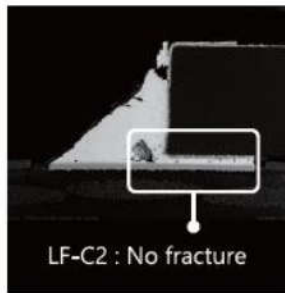
## PRODUCT LIST

- Solder Bar
- Flux Cored Solder Wire
- Solid Solder Wire
- Solder Paste (Printing Grade)
- Solder Paste (Dispensing Grade)
- Soldering Flux
- Solder Anode
- Solder Spheres
- Solder Preform



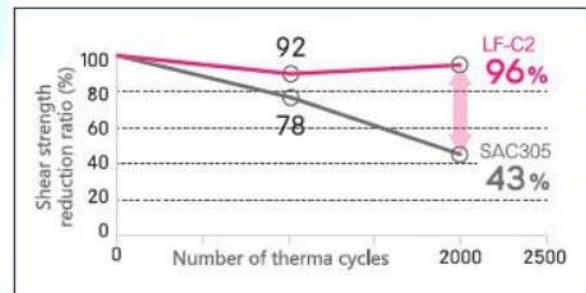
### Resistance to Cracking

No cracking after 2000 cycles



### Shear Strength

2000 cycles Higher strength retention



Equipped with various High-Tech Testing facilities, we are committed to provide excellent technical support and services to our customer

### Lower Temperature Reflow

Peak reflow temperature lower than SAC305

Solder alloy	LF-C2	SAC305
Solidus temperature (°C)	205	218
Liquidus temperature (°C)	213	219



JEOL SEM/EDX



GEN3 SOLDERABILITY TESTER



SHIMADZU ICP-AES EMISSION SPECTROMETER



SHIMADZU TENSILE TESTER



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# THE MALAYSIAN TIN PRODUCTS NEWSLETTER

QUARTERLY | APRIL - JUNE 2022

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## TABLE OF CONTENT

4

PRESIDENT'S NOTE

5

NEWS ON ECONOMY

7

NEWS ON SEMICONDUCTOR INDUSTRY

16

DATA / STATISTICS

22

LIST OF ASSOCIATION MEMBERS

*The Malaysian Tin Products Newsletter is published quarterly by the Malaysian Tin Products Manufacturers' Association (MTPMA). The opinions and statements expressed in the Newsletter are not necessarily those of the MTPMA or the Editorial Sub-Committee and neither endorsement nor confirmation are intended or implied.*

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# PRESIDENT'S NOTE

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YEW WEI AUN  
PRESIDENT  
THE MALAYSIAN TIN PRODUCTS  
MANUFACTURERS' ASSOCIATION  
(MTPMA)

## Dear Members,

The upward momentum in Malaysia's economy continued unabated. After registering a positive growth of 3.6% in Q4 2021, the economy continued to expand and registered a 5.0% growth for Q1 2022. The positive growth was largely supported by the continuing improvement in domestic demand. Based on this scenario, Bank Negara Malaysia (BNM) had forecasted that the country's Gross Domestic Product (GDP) would grow at a rate of between 5.0% and 6.0% for 2022.

On the global front, with the Russia-Ukraine conflict continuing with no end in sight, its impact on the global economy was felt by almost all developed, developing and under-developed countries. Sri Lanka, in particular, was reported to be facing an economic collapse, due to external and internal factors. Negotiations with relevant global monetary institutions and major economies were on-going to help prevent a catastrophe. Should this happen, it could pose a threat to other similar economies, thus possibly effecting growth of the world economy as a whole this year.

In Malaysia, even though the economy had picked-up and looked likely to strengthen further, the tin-based manufacturing industry continued to face difficulty in sourcing for tin domestically. The country's sole tin smelting company, Malaysia Smelting Corporation Berhad (MSC) and a major supplier of tin metal locally, have remained unable to offer tin due to continuing production constraints. As a consequence, domestic tin consumers most of whom are our Association members have no other choice but to continue to rely on overseas tin supply, albeit at higher costs.

Global tin supply is reported to be still in shortage and that the tin price will continue to be dictated by it. Demand for tin remains strong especially from the electronics solder sector, which remains the largest consumer of the metal.

At this opportunity, may I remind all Association members to implement the new minimum monthly wage of RM1,500 which took effect

from 1 May 2022. Although the minimum wage increase will obviously have an impact on members' operations, it is important that necessary adjustments are made to our cost of doing business to ensure compliance with the Government's latest policy.

As announced by our Prime Minister, Malaysia has now entered the endemic transition phase effective from 1 April 2022. Many Covid-related movement restrictions have been relaxed as a result. The most important one being the re-opening of the country's border to international travellers. This border re-opening is especially significant to the tourism sector and particularly to our pewter-ware manufacturing members who are heavily reliant on the tourism market.

Nonetheless, the fight against the Covid-19 pandemic is still far from over, as cautioned by the World Health Organisation. We must all remain vigilant and take all the precautions necessary to ward against this deadly virus.

As this would be my last President's Notes, I wish to record my heartfelt thanks and grateful appreciation to all Association members for their active co-operation and meaningful contribution rendered during my three-year tenureship as President. Please extend the same positive support to the new President and let us together work closely for the betterment of the industry and our Association.

With warmest regards.

*Yew Wei Aun*

## NEWS ON ECONOMY

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### 'Domestic Demand to Drive 5.5pc Growth This Year'

Malaysia's economy is expected to grow 5.5 per cent this year, driven by a recovery in domestic demand, expansion in exports and reopening of borders, according to a World Bank report. It said the external sector would continue to lend its support, especially that of electrical and electronics goods and medical rubber gloves. However, it cautioned that the growth could slow to 4.8 per cent if the global condition worsened amid the Russia-Ukraine conflict, financial tightening in the United States and structural slowdown in China. Other risks include worsening supply chain disruptions and the emergence of more severe Covid-19 variants.

"While the economy is projected to be on a recovery path, Covid-19, food inflation and floods are expected to weigh down progress on the wellbeing of the poor and vulnerable," according to the World Bank's East Asia and Pacific Economic Update April 2022 titled "Braving the Storm". Last year, it had projected Malaysia's economy to grow 5.8 per cent this year compared with 3.1 per cent in 2021. It said a monetary

policy shock in the US, assumed to increase interest rates by at least 25 basis points, would hurt growth by as much as -0.4 percentage points in Malaysia.

"The earlier-than-expected monetary tightening could make recovery harder in other countries. Financial conditions in the US are of particular significance for developing East Asia and Pacific countries, especially those like Malaysia, which rely more on short-term capital flows. The risk of capital outflows, which could put pressure on their currencies, could induce premature financial tightening." As for the East Asia and Pacific region, its gross domestic product is expected to expand 5.0 per cent this year and could slow to 4.0 per cent, down from the 5.4 per cent projection in October last year.

Meanwhile, a 1.0 per cent slowdown in US growth is estimated to have a slightly larger impact (0.4 percentage points) on the East Asia and Pacific region than a comparable slowdown in China's growth (0.3 percentage points). China's growth forecast was slashed to 5.0 per cent for this year, lower than the 5.4 per cent estimate in October last year. In addition, a slowdown in the growth of G7 countries by 0.9 per cent would imply weaker export demand for East Asia and Pacific countries and, hence, a decline in their average growth by as much as 0.6 per cent.

*Source: New Straits Times, 6 April 2022*

## 'Sector to Remain on Recovery Path'

Domestic manufacturing activity is expected to remain on a recovery path, backed mainly by the reopening of borders and pent-up demand bolstered by policy support and a higher vaccination rate. Kenanga Investment Bank Bhd's (Kenangan Research) growth projection for the sector remains subject to downside risks attributable to global supply chain disruptions caused by China's zero-Covid policy and the Russia-Ukraine crisis.

However, the adverse effects were expected to be limited given Malaysia's diversified exports and robust demand from key trading partners, said the research house. "Against this backdrop, we maintain our first-quarter 2022 gross domestic product growth estimate at 5.7 per cent, bringing the overall 2022 growth at five to 5.5 per cent." Kenanga Research said domestic manufacturing activity returned to expansion at the start of the second quarter of this year, mainly due to higher demand. This signalled a continued recovery in the sector driven by various policy support and the transition to endemicity amid heightened external pressure. New orders recorded the sharpest rise since April 2014 due to improved client confidence. Nonetheless, it said output remained subdued

and was scaled back for the fourth straight month due to the ongoing material and labour shortages as well as delivery delays. Input cost increased for the 23rd straight month, with firms continuing to pass higher costs onto clients partially.

Kenanga Research said the optimism was driven by hopes that demand would improve as the pandemic subsided. Nonetheless, it said the degree of optimism dipped to an eight-month low due to concerns that rising prices and ongoing material shortages could impede production levels. The employment level fell for the fourth-straight month last month due to difficulty obtaining foreign workers' permits amid ongoing border restrictions.

*Source: News Straits Times, 9 May 2022*

## Moody's Sees 1.1% Growth for Malaysia in First Quarter

The economy is expected to have seen a growth of 1.1% quarter-on-quarter in the first quarter of 2022, following a 6.6% expansion in the prior fourth quarter of 2021. This is aided by the gains from a robust external position, which has largely extended into the beginning of this year. These are some projections from Moody's Analytics ahead of an announcement by Bank Negara that is expected later this week.

"A lift in private consumption after an easing of Covid-19 restrictions and policy shift towards living with the virus is likely to have supported the growth in the first quarter," Moody's Analytics said in a report. It is also expecting that Bank Negara will keep the overnight policy rate steady at 1.75% at its May meeting. This is on the back of inflation readings for the month which are expected to trend higher in Asia.

Among other Asian countries, India's consumer price index is likely to have risen to 7.3% year-on-year (y-o-y) last month from 7% in March

due to higher food prices and elevated energy costs. Consumer prices in Indonesia are expected to have picked up to 3% y-o-y in April from 2.6% previously. On a related matter, Kenangan Research said domestic bond yields may be in a limited range-bound zone this week as the market will be focused on Bank Negara's monetary policy committee meeting this week.

"Malaysian government securities will likely remain sensitive to the volatility of US Treasuries. We expect Bank Negara to keep the policy rate unchanged at 1.75%, especially given the downside risks to global growth amid the Russia-Ukraine conflict and China's Covid-19 out-

break conditions," Kenanga Research said. The research house said foreign demand for local bonds will likely remain pressured in the near term, given the weak global sentiment for bonds and the recent US Federal Reserve's (Fed) 50-basis-point rate hike.

"We expect a net outflow of foreign funds in April, but a smaller outflow in May due to a lack of major bond maturities which is scheduled for

this month," it added. Kenanga said this may reinforce the ringgit's weakness in the near term as it is expected to remain under pressure in May, given that the dollar index and the 10-year US treasury yields may continue to trend higher due to the Fed's aggressive tightening cycle. The research house noted that the direction of the ringgit will also be influenced by the policy rate decision, China's Covid-19 policy and the overall global economic outlook.

*Source: The Star, 10 May 2022*

## NEWS ON SEMICONDUCTOR INDUSTRY

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### Strong Global Demand to Ignite Semiconductor Sector

Malaysian technology players that are exposed to the global supply chain are poised to continue to benefit from the sustained global semiconductor uptrend. Their outlook remains intact despite a recent correction in stock prices and valuations of listed tech companies. "We are fairly bullish on the technology sector. Our technology sector is unlike that of the United States which consists of software and cloud solutions.

They have seen a correction there. However, Malaysian listed technology are made up of testers which are the automated test equipment players, outsourced semiconductor assembly and test (Osat) providers and electronics manufacturing service companies. The companies are involved in the bread and butter business of the tech space are actually doing quite well," Rakuten Trade head of equity sales Vincent Lau tells StarBizWeek.

The bullish sentiment is backed by recent data that was released by the US-based Semiconductor Equipment and Materials International (SEMI) Global. Earlier in the week, the SEMI Silicon Man-

ufacturers Group (SEMI SMG) said the global silicon wafer area shipments in the first quarter of 2022 had surprised the previous record high in the third quarter of 2021. The figure had rose 1% quarter-on-quarter to 3,679 million square inches, which is a measurement used to quantify silicon wafers. The first quarter silicon wafer shipments for 2022 year saw 10% growth from the 3,337 million square inches that was reported in the same quarter of the previous year.

SEMI SMG chairman Anna-Riikka Vuorikari-Antikainen said silicon wafer supply remains tight and may stay constrained with many new announced semiconductor fab investments. The new silicon shipping milestone points to the continued growth in all areas of the semiconductor market, according to the association. "The Malaysian technology sector will benefit. The demand outlook is supported. At current valuations, these stocks are at a more palatable level now with historical price to earnings ratios ranging from 20 times to 30 times," Lau says.

Fund manager Danny Wong who is the CEO of Areca Capital says the electrical and electronics sector companies in Malaysia are expected to benefit from the global demand of chips and related products and services. "We are positive about this segment and related businesses over the next three to five years," Wong says. "The current market sentiment had affected the valuations of the tech sector but their fundamentals remains intact. The industry and players will continue to

grow and sooner or later this will be reflected in their earnings, growth prospects and their share prices," he adds.

This sound demand outlook is backed by the mega trend that will ride on with the booming 5G / 6G development, electronics in vehicles, electric vehicles, and the Internet of things. It is also supported by the growing use of artificial intelligence or AI, robotics and other automation processes, according to Wong. "We are looking at domestic chip makers especially those with solid customer orders from segments such as automotive," he adds. Lau says that new products with features such as smart lighting or remote surveillance will require more chips. "This will spur demand even further. Everything that is being deemed as 'smart' requires chips. This is a trend which cuts across many new products of varying segments," Lau says.

Commenting on the recent statistics by SEMI SMG, TA Research says the global semiconductor industry has recorded 26 straight months of year-on-year growth. It notes also that despite the growth, there are concerns that chip equipment makers will not be spared from the added pressure on the global supply chains due to the heightened geopolitical tensions and lockdown in China. "Nevertheless, we view a prolonged demand induced chip shortage and tight capacity at the back end, as favourable to the OSAT players. For as long as it continues, we expect OSAT players to continue garnering pricing power to help insulate against supply chain related cost pressures and the inflationary environment," TA Research says.

## Chip Sector to Gain from Rising Global Demand

Global semiconductor sales, which have been on an upward trend, are set to be a boon for local tech companies. Citing the latest Semiconductor Industry Association (SIA) data, MIDF Research in a report yesterday said the worldwide sales of semiconductors remained strong in the first quarter of 2022, rising 23% year-on-year despite the ongoing global chip crunch. "The global sales for March 2022 stood at US\$50.6bil (RM222bil), with America continuing to lead other regional markets with 40.1% growth year-on-year."

MIDF Research noted that emerging technologies such as artificial intelligence, automotive electronics, augmented and virtual reality depend heavily on the semiconductor industry to provide the computing power necessary. "Therefore, we remain positive that this sector is still set for explosive growth due to its adoption and integration, eclipsing all other sectors, including the financial and the industrial ones. Our top pick semi-

The research house has ascribed a lower target price to earnings ratio (PER) across semiconductor stocks it covers due to the weakened sentiment on the technology sector stemming from supply chain disruptions and lingering concerns over rising interest rates amid inflationary pressures. It rates the semiconductor sector in Malaysia as "overweight" and also notes that valuations of most stocks in this space such as Inari Amertron Bhd, Malaysian Pacific Industries Bhd and Unisem (M) Bhd have turned compelling following their share price corrections seen since the start of the year. "Against the 2022 calendar year, they are currently trading in line with or below their five-year average PER such as Inari at minus 0.3 standard deviation (SD), Unisem minus 0.2SD, and MPI minus 0.3SD. We opine that our ascribed valuations are justified by their strong sales pipeline and earnings growth prospects anchored by their expansion roadmap and robust balance sheet," the research house adds.

*Source: The Star, 7 May 2022*

conductor companies are Inari Amertron Bhd and Unisem (M) Berhad, given their exposure to growing radio frequency content in 5G smartphone usage and adoption." The research house also said it liked Globetronics Technology Bhd, due to its exposure in high-tech sensor products for various applications. In a statement last month, SIA president and chief executive officer John Neuffer said global semiconductor sales remained strong during the first quarter of 2022, increasing across all major regional markets and product categories compared to the first quarter of last year. The SIA represents 99% of the US semiconductor industry by revenue and nearly



two-thirds of non-US chip firms. Separately, MIDF Research said total semiconductor research and development (R&D) spending as a percentage of worldwide sales had outperformed the four-decade historical average. "To recall, since the year 2000, total semiconductor R&D spending as a percentage of worldwide sales has outperformed the four-decade historical average of 14.5% in all but five years (2000, 2010, 2017, 2018, and 2020). In these five years, lower R&D-to-sales ratios had more to do with the strength of total revenue growth than weakness in R&D spending by semiconductor suppliers."

MIDF Research said industry R&D spending continues to grow even after hitting a record in 2021. "R&D spending by semiconductor companies worldwide is projected to grow 9% in 2022 to US\$80.5bil (RM353bil) after climbing by an above average 13% in 2021 to a record-high of US\$71.4bil (RM313bil)". Additionally, the research house said total R&D spending by semiconductor companies is expected to rise by a compound annual growth rate of 5.5% between 2022 and 2026 to US\$108.6bil (RM476bil). "This signifies that worldwide semiconductor capital spending continues to move upward to cater to the adoption of technological advancements in various applications."

*Source: The Star, 10 May 2022*

## Indium Corp Invests RM250m in Penang Facility

United States-based electronics assembly and semiconductor packaging supplier Indium Corp is investing RM250 million in a manufacturing plant in Penang. The investment was announced during a meeting between Indium Corp and the Malaysian trade and investment mission to the United States led by the Senior International Trade and Industry Minister Datuk Seri Azmin Ali.

Indium Corp said the new 37,500-square-foot facility in Penang would manufacture finished products, such as solder pastes, fluxes and per-forms. The facility is anticipated to commence operation in two phases, with solder paste manufacturing by the end of 2022 and engineered materials manufacturing in 2023. It is also expected to create 88 high-skilled jobs.

Azmin said Indium's presence in Malaysia could not come at a more opportune time to ramp up Malaysia's economic recovery. "Indeed, this development provides a stepping stone for our electronics industry, in line with our National Investment Aspirations and environmental, social and governance goals. It is exciting that Indium Corp is planning to leverage Malaysia's capabilities in manufacturing operations and has expressed intentions to establish an innovation lab and training facility."

Indium Corp president and chief operating officer Ross Berntson said the company was proud to continue its more than 40-year history in Malaysia with this new Penang facility. Berntson said this new location would allow Indium Corp to improve lead times for deliveries while bringing the company closer to its customers in the region.

*Source: New Straits Times, 12 May 2022*

## Malaysian Semiconductor Players Upbeat about Recent US Deals

Malaysia's recent deals in the United States are expected to boost businesses and the economy. The Malaysia Semiconductor Industry Association (MSIA) saw the deals as a positive development in strengthening the semiconductor supply chain's resilience. MSIA president Datuk Seri Wong Siew Hai said that it would help lower costs by making the semiconductor and electronics supply chain more resilient in the long term. Stakeholders in Malaysia and the US had recently inked a memorandum of cooperation (MOC) on semiconductor supply chain resilience. Malaysia also supported the launch of the Indo-Pacific Economic Framework for Prosperity (IPEF), with a dozen initial partners that included Australia, Brunei, India, Indonesia, Japan, and South Korea, New Zealand, the Philippines, Singapore, Thailand and Vietnam.

Wong said the 12 countries represented 40 per cent of the world's gross domestic product. "The industry is experiencing a period of high growth with digital transformation and emerging technologies, such as the Internet of Things, artificial intelligence, smart factories and autonomous vehicles. Semiconductor companies like Intel, Samsung and TSMC, and countries like China, the US and those in Europe have announced investments over the past one year exceeding US\$550 billion in fabrication plants to meet the increasing demand for semiconductors," said Wong.

He added that companies in Malaysia were expanding and increasing capacity to address the shortage of semiconductors. "Malaysia is also attracting new investments to strengthen its supply chain. A more resilient and flexible semiconductor supply chain will allow the industry to manage market volatility much better. The industry must steer a course towards a future where sustainable growth can be achieved through resilience and an open and connected world," Wong said.

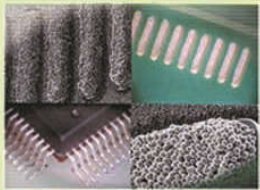
He said this was important as the semiconductor and electronics had the most complex and geographically dispersed value chain in the world. "The US-Malaysian MOC in semiconductor supply chain resilience and the IPEF are a positive development for the Malaysian Semiconductor and the electrical and electronics industry. It further consolidates Malaysia's position as one of the critical global semiconductor hubs. Malaysia will continue to be an attractive investment location for semiconductor and electrical and electronics companies," said Wong.

He revealed that for last year, Malaysia had recorded approved investments of RM118 billion, which was 9.5 times the approved investments in 2020 at RM15.6 billion. "The trend for investments is expected to continue with the recent mission by International Trade and Industry Ministry to the US," he said. MSIA is an industry association which represents companies incorporated in Malaysia that are involved directly or related to the semiconductor industry (electronics and systems) and the semiconductor supply chain.

*Source: New Straits Times, 26 May 2022*



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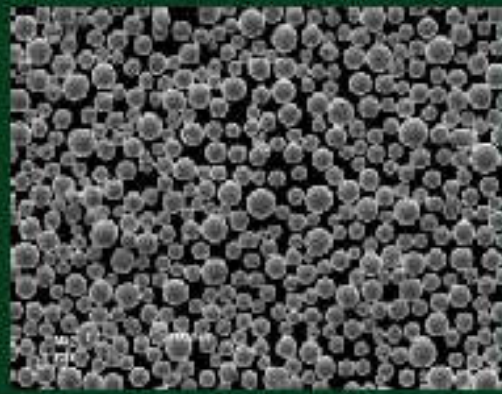
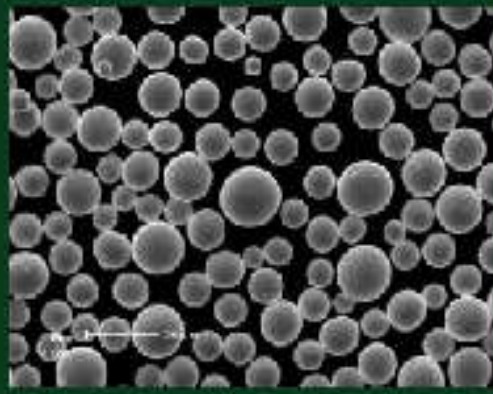




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*Wishing Muslim Members of  
The Malaysian Tin Products  
Manufacturers' Association*

*Selamat  
Hari Raya  
Aidilfitri*

*Mohd Zahri & Saiful*

**MALAYSIAN TIN STATISTICS**

(In Tonnes)

Period	Production of Tin-In-Concentrates	Imports of Tin-In-Concentrates	Refined Tin Production	Local Consumption	Exports of Tin Metal
2016	4,158	30,536	26,849	2,238	27,470
2017	3,894	29,866	27,211	2,707	27,147
2018	3,868	27,450	27,115	1,964	27,342
2019	3,611	25,644	24,387	1,441	24,418
2020	2,963	22,288	22,367	1,512	22,597
2021*	2,980	322	16,634	1,156	16,441
2019					
Jan.	325	2,169	1,887	125	2,205
Feb.	278	1,700	1,912	99	1,694
Mar.	324	2,263	2,169	134	2,195
Apr.	301	2,090	2,145	125	2,097
May.	282	1,842	1,836	145	1,891
Jun.	213	2,393	1,536	129	1,630
Jul.	263	2,393	2,491	144	2,347
Aug.	299	2,381	2,476	122	2,257
Sep.	320	1,998	2,234	111	1,886
Oct.	312	2,506	1,478	111	1,790
Nov.	323	2,147	2,137	105	2,086
Dec.	356	1,762	2,086	91	2,340
2020	3,596	25,644	24,387	1,441	24,418
Jan.	289	2,136	2,314	93	2,180
Feb.	266	1,449	1,880	119	2,226
Mar.	162	1,105	1,228	71	1,191
Apr.	36	1,198	1,110	75	933
May.	252	2,187	1,344	99	1,516
Jun.	278	1,927	1,926	190	1,644
Jul.	272	1,972	1,819	150	2,240
Aug.	277	2,785	2,672	151	2,290
Sep.	292	2,398	2,057	138	2,198
Oct.	295	1,565	2,078	146	2,126
Nov.	272	1,536	1,974	125	2,108
Dec.	272	2,030	1,965	155	1,945
2021*					
Jan.	278	28	1,639	145	1,770
Feb.	257	29	1,847	70	1,765
Mar.	290	46	2,041	113	1,982
Apr.	294	47	1,680	115	1,836
May.	262	26	1,861	91	1,638
Jun.	44	0	695	86	894
Jul.	204	21	973	84	507
Aug.	233	19	1,115	86	1,085
Sep.	262	59	1,221	85	1,599
Oct.	292	16	1,349	98	1,165
Nov.	270	10	1,086	91	1,172
Dec.	294	21	1,127	92	1,028
2022*					
Jan.	234	n.y.a	n.y.a	n.y.a	n.y.a
Feb.	252	n.y.a	n.y.a	n.y.a	n.y.a
Mar.	306	n.y.a	n.y.a	n.y.a	n.y.a
Apr.	273	n.y.a	n.y.a	n.y.a	n.y.a

\* : Preliminary

n.y.a : Not yet available

Sources : Department of Statistics, Malaysia  
Department of Mineral and Geoscience Malaysia  
Malaysia Smelting Corporation Bhd.

**MALAYSIA'S DOMESTIC TIN CONSUMPTION**

(In Tonnes)

PERIOD	TOTAL CONSUMPTION	SOLDER *	TINPLATE	PEWTER	OTHERS *
2016	2,238	1,314	750	86	88
2017	2,707	1,348	737	63	559
2018	1,964	1,019	759	39	147
2019	1,441	695	639	19	88
2020	1,512	738	626	8	140
2021**	1,156	395	710	6	45
2019					
Jan.	125	66	51	1	7
Feb.	99	60	35	0	4
Mar.	134	69	56	1	8
Apr.	125	51	64	2	8
May	145	70	62	1	12
Jun.	129	66	56	1	6
Jul.	144	91	47	3	3
Aug.	122	60	51	1	10
Sep.	111	41	60	3	7
Oct.	111	41	59	3	8
Nov.	105	45	52	1	7
Dec.	91	35	46	2	8
2020					
Jan.	93	40	48	0	5
Feb.	119	62	52	0	5
Mar.	71	22	45	0	4
Apr.	75	19	53	0	3
May	99	49	44	0	6
Jun.	190	74	67	3	46
Jul.	150	84	55	3	8
Aug.	151	49	65	0	37
Sep.	138	85	46	0	7
Oct.	146	77	59	0	10
Nov.	125	78	40	2	5
Dec.	155	99	52	0	4
2021**					
Jan.	145	73	66	1	5
Feb.	70	30	37	0	3
Mar.	113	40	68	0	5
Apr.	115	39	68	1	7
May	91	40	46	0	5
Jun	86	29	50	0	7
Jul.	84	20	64	0	0
Aug.	86	25	57	0	4
Sep.	85	30	53	2	0
Oct.	98	29	69	0	0
Nov.	91	20	69	2	0
Dec.	92	20	63	0	9
2022**					
Jan.	n.y.a	n.y.a	56	n.y.a	n.y.a
Feb.	n.y.a	n.y.a	69	n.y.a	n.y.a
Mar.	n.y.a	n.y.a	58	n.y.a	n.y.a
Apr.	n.y.a	n.y.a	67	n.y.a	n.y.a
May	n.y.a	n.y.a	54	n.y.a	n.y.a
Jun	n.y.a	n.y.a	50	n.y.a	n.y.a

\* : The figures include high-grade tin (99.9% Sn) imported for consumption.

\*\* : Preliminary.

n.y.a : not yet available

Sources : Department of Mineral and Geoscience Malaysia

Malaysia Smelting Corporation Bhd

Perstima Bhd

Note : Local consumption of tin metal refers to the use of tin in a particular application.  
Sales to manufacturing industries have been used as proxy for consumption except in the case of manufacture of tinplate which are actual tin consumption data.



**WORLD STOCKS OF REFINED TIN**

(In Tonnes at Period End)

Period	LME Stock	Total Country Stocks	US Strategic Stockpile
2017	2,235	19,245	4,020
2018	2,165	16,790	4,020
2019	7,130	23,217	4,020
2020	1,890	22,129	4,020
2021	2,045	21,737	4,020
2019			
Jan.	1,845	16,439	4,020
Feb.	1,325	16,552	4,020
Mar.	950	22,333	4,020
Apr.	890	23,132	4,020
May.	2,810	23,083	4,020
Jun.	6,045	23,524	4,020
Jul.	4,640	23,524	4,020
Aug.	6,830	23,449	4,020
Sep.	6,620	23,017	4,020
Oct.	6,020	23,104	4,020
Nov.	6,235	23,217	4,020
Dec.	7,130	23,217	4,020
2020			
Jan.	6,630	22,546	4,020
Feb.	7,440	22,431	4,020
Mar.	6,205	22,211	4,020
Apr.	5,375	22,094	4,020
May.	2,455	22,183	4,020
Jun.	4,230	22,330	4,020
Jul.	3,675	22,268	4,020
Aug.	5,040	22,143	4,020
Sep.	5,550	22,480	4,020
Oct.	4,533	22,398	4,020
Nov.	3,805	22,290	4,020
Dec.	1,890	22,129	4,020
2021			
Jan.	820	22,366	4,020
Feb.	1,745	23,044	4,020
Mar.	1,740	21,579	4,020
Apr.	1,245	21,589	4,020
May	755	21,589	4,020
Jun.	2,015	21,539	4,020
Jul.	2,290	21,499	4,020
Aug.	1,395	21,487	4,020
Sep.	1,235	21,508	4,020
Oct.	670	21,508	4,020
Nov.	1,285	21,508	4,020
Dec.	2,045	21,737	4,020
2022			
Jan.	2,390	22,051	4,020
Feb.	2,245	22,076	4,020
Mar.	2,000	21,941	4,020
Apr.	2,010	22,267	4,020
May	1,990	22,248	4,020
Jun.	2,765	22,292	4,020

n.y.a

: not yet available

Source

: World Bureau of Metal Statistics

## KLTM &amp; LME TIN PRICES

	KLTM		LME CASH	
	Average Price (*)		Total Turnover (Tonnes)	Average Price (USD / Tonne)
	(USD / Tonne)	(RM / Kg)		
2017	20,029	86.12	8,890	20,098
2018	20,151	80.99	9,075	20,168
2019	19,168	79.11	6,445	18,671
2020	17,504	72.97	4,088	17,134
2021	26,589	108.88	1,955	32,584
<b>2019</b>				
Jan	20,417	84.05	719	20,480
Feb	21,268	86.67	628	21,268
Mar	21,317	86.95	1,046	21,444
Apr	20,528	84.48	833	20,684
May	19,394	80.85	388	19,531
Jun	19,065	79.34	344	19,177
Jul	18,074	74.55	416	17,991
Aug	16,532	69.22	422	16,577
Sep	16,730	70.05	392	16,840
Oct	16,562	69.34	464	16,603
Nov	16,624	69.11	417	16,369
Dec	16,883	70.00	376	17,093
<b>2020</b>				
Jan	17,014	69.42	406	17,056
Feb	16,536	68.85	354	16,457
Mar	16,417	69.47	236	15,321
Apr	CLOSED	CLOSED	CLOSED	15,039
May	15,110	65.65	268	15,410
Jun	16,605	71.03	374	16,806
Jul	17,287	73.79	358	17,452
Aug	17,515	73.47	343	17,672
Sep	17,846	74.12	444	17,946
Oct	18,026	74.90	383	18,154
Nov	18,433	75.84	413	18,568
Dec	19,693	79.90	509	19,727
<b>2021</b>				
Jan	22,085	89.25	314	21,955
Feb	25,965	105.05	456	26,717
Mar	26,162	107.64	494	27,396
Apr	27,106	111.89	327	28,427
May	31,132	128.61	298	32,524
Jun	31,857	131.49	61	32,678
Jul	CLOSED	CLOSED	CLOSED	34,183
Aug	CLOSED	CLOSED	CLOSED	35,205
Sep	CLOSED	CLOSED	CLOSED	35,048
Oct	CLOSED	CLOSED	CLOSED	37,962
Nov	CLOSED	CLOSED	CLOSED	39,333
Dec	39,500	166.58	5	39,574
<b>2022</b>				
Jan	41,007	171.75	21	41,807
Feb	NO TRANSACTION	NO TRANSACTION	NO TRANSACTION	44,118
Mar	NO TRANSACTION	NO TRANSACTION	NO TRANSACTION	44,249
Apr	NO TRANSACTION	NO TRANSACTION	NO TRANSACTION	43,122
May	NO TRANSACTION	NO TRANSACTION	NO TRANSACTION	35,945
Jun	NO TRANSACTION	NO TRANSACTION	NO TRANSACTION	31,777

Note : As from 1 February 2001, KLTM price is quoted in US Dollar  
 (\*) KLTM's monthly average price is arrived at on a weighted average  
 against total tonnage basis.  
 Malaysian Ringgit to US Dollar exchange rate was unpegged on 22.8.2005

## LEAD

LME PRICES & STOCKS		
	Cash Settlement (US\$ / Tonne)	Stocks Period End (Tonnes)
2019	1,899.25	66,200
2020	2,018.60	133,175
2021	2,304.79	54,375
<b>2019</b>		
Jan	1,994.16	72,450
Feb	2,062.08	76,875
Mar	2,054.57	78,750
Apr	1,948.85	74,425
May	1,817.21	69,400
Jun	1,891.50	65,750
Jul	1,974.02	78,500
Aug	2,043.19	77,525
Sep	2,070.86	69,500
Oct	2,184.30	70,075
Nov	2,031.90	67,125
Dec	1,899.25	66,200
<b>2020</b>		
Jan	1,925.16	66,800
Feb	1,872.30	68,100
Mar	1,744.64	70,900
Apr	1,651.53	73,650
May	1,618.16	75,825
Jun	1,739.86	66,500
Jul	1,812.15	118,150
Aug	1,935.20	124,900
Sep	1,881.36	137,000
Oct	1,777.07	124,400
Nov	1,914.48	112,700
Dec	2,018.60	133,175
<b>2021</b>		
Jan	2,214.93	96,775
Feb	2,085.75	94,625
Mar	1,960.76	119,550
Apr	2,006.33	110,575
May	2,185.92	97,325
Jun	2,188.98	80,250
Jul	2,336.98	59,750
Aug	2,428.52	52,250
Sep	2,257.25	51,000
Oct	2,339.45	55,000
Nov	2,347.57	56,775
Dec	2,304.79	54,375
<b>2022</b>		
Jan	2,342.70	54,006
Feb	2,299.90	49,196
Mar	2,359.48	39,846
Apr	2,396.74	39,355
May	2,145.17	38,485
Jun	2,067.38	39,141

## COPPER

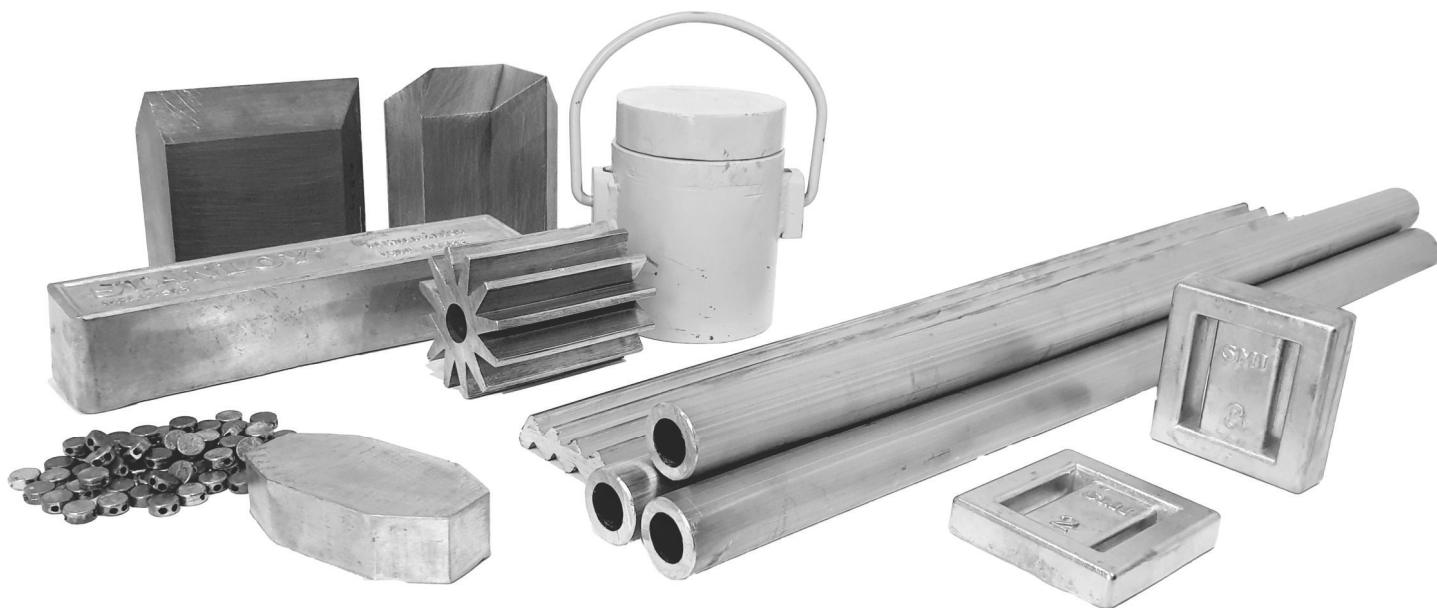
LME PRICES & STOCKS		
	Cash Settlement (US\$ / Tonne)	Stocks Period End (Tonnes)
2019	6,062.43	144,675
2020	7,755.24	105,800
2021	9,550.31	88,725
<b>2019</b>		
Jan	5,932.02	149,950
Feb	6,278.20	126,100
Mar	6,451.02	168,525
Apr	6,445.10	225,925
May	6,028.31	211,800
Jun	5,868.43	240,900
Jul	5,939.85	287,800
Aug	5,707.98	335,850
Sep	5,745.48	258,775
Oct	5,742.89	255,025
Nov	5,859.69	208,525
Dec	6,062.43	144,675
<b>2020</b>		
Jan	6,049.20	179,800
Feb	5,686.45	216,950
Mar	5,178.68	221,200
Apr	5,048.25	251,475
May	5,233.82	255,725
Jun	5,742.39	213,325
Jul	6,353.76	126,675
Aug	6,496.70	88,250
Sep	6,712.41	163,125
Oct	6,702.77	169,600
Nov	7,063.43	149,925
Dec	7,755.24	105,800
<b>2021</b>		
Jan	7,970.50	74,275
Feb	8,460.25	74,200
Mar	9,004.98	143,775
Apr	9,335.55	137,400
May	10,183.97	120,700
Jun	9,612.43	211,975
Jul	9,433.59	238,650
Aug	9,357.19	252,725
Sep	9,324.07	217,175
Oct	9,778.50	131,300
Nov	9,765.48	78,625
Dec	9,550.31	88,725
<b>2022</b>		
Jan	9,775.93	90,478
Feb	9,941.35	76,775
Mar	10,237.59	77,259
Apr	10,183.13	118,741
May	9,362.81	168,371
Jun	9,033.13	121,468

## SILVER

LONDON SPOT PRICES	
	London Spot (US Cents / Troy Oz)
2019	1,711.00
2020	2,488.74
2021	2,246.81
<b>2019</b>	
Jan	1,559.00
Feb	1,580.00
Mar	1,532.00
Apr	1,504.00
May	1,463.00
Jun	1,500.00
Jul	1,575.00
Aug	1,714.00
Sep	1,817.00
Oct	1,762.00
Nov	1,718.00
Dec	1,711.00
<b>2020</b>	
Jan	1,796.50
Feb	1,792.20
Mar	1,491.82
Apr	1,504.55
May	1,623.24
Jun	1,771.98
Jul	2,040.50
Aug	2,686.25
Sep	2,588.61
Oct	2,429.84
Nov	2,404.33
Dec	2,488.74
<b>2021</b>	
Jan	2,592.84
Feb	2,734.60
Mar	2,561.35
Apr	2,564.03
May	2,746.32
Jun	2,698.16
Jul	2,575.32
Aug	2,401.64
Sep	2,330.73
Oct	2,329.64
Nov	2,419.64
Dec	2,246.81
<b>2022</b>	
Jan	2,312.85
Feb	2,346.50
Mar	2,524.02
Apr	2,454.11
May	2,190.55
Jun	2,149.03

Source : London Metal Exchange

# STANLOY®



## Specialty anodes in lead and tin

- ▶ Extruded wave anodes
- ▶ Extruded solid round anodes
- ▶ Extruded hollow round lead anodes
- ▶ Cored anodes
- ▶ 12-point extruded solid star anodes
- ▶ 12-point extruded hollow star anodes
- ▶ Extruded octagonal section anodes

## Small parts in lead and tin

- ▶ Metering and security seals
- ▶ Diving weights

## Pewter alloys

## Chemical service

- ▶ Extruded lead coils and pipes
- ▶ Bearing / anti-friction metals

## Lead acid battery components

- ▶ Battery terminals
- ▶ Lead oxides
- ▶ Lead burning sticks
- ▶ Extruded cooling coils
- ▶ Busbars
- ▶ 12-point extruded hollow star anodes
- ▶ Extruded octagonal section anodes

## Radiation containment

- ▶ Radioactive isotope containers
- ▶ Lead bricks
- ▶ Radiation protection doors and mobile shields

## Sailboat / yacht accessories

- ▶ Boat keels / bulbs

## MATERIAL AVAILABILITY

All our casting and extruded products are produced from high purity materials and are available in the following chemical composition: -

- ▶ Pure lead of 99.97% minimum
- ▶ Antimonial lead alloys of up to 6% antimony content
- ▶ Pure tin of 99.85% and its alloys

**SELAYANG METAL INDUSTRIES SDN. BHD.(64855-U)**

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**EMAIL: biz@selayang-metal.com**



## ASSOCIATION MEMBERS

Currently, the Association comprises one associate and 14 ordinary members covering the three main sectors of Malaysia's tin-based products manufacturing industry, namely the tinplate, solder and pewter sectors as listed below:

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### ORDINARY MEMBERS:

#### TINPLATE

Perusahaan Sadur Timah Malaysia Bhd (PERSTIMA)

#### SOLDER

Nihon Superior (M) Sdn Bhd  
Premium Metal Sdn Bhd  
RedRing Solder (M) Sdn Bhd  
Rian Resources Sdn Bhd  
Selayang Metal Industries Sdn Bhd  
Selayang Solder Sdn Bhd  
Senju (M) Sdn Bhd  
Shen Mao Solder (M) Sdn Bhd

#### PEWTER

Oriental Pewter Sdn Bhd  
Royal Selangor International Sdn Bhd  
Selwin Pewter Sdn Bhd  
Tumasek Pewter Sdn Bhd

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### ASSOCIATE MEMBER:

Malaysia Smelting Corporation Bhd



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[royalselangor.com](http://royalselangor.com)



# **PREMIUM METAL SDN BHD**

## **SERVICES PROVIDED**

- Collect tin scrap and secondary waste
- Re-melt into solid metal
- To refine and remove impurities
- We have facility to check and analyse element content
- To recycle and refine tin waste become tin alloy ingot for reuse purpose



## **TIN ALLOY INGOT AVAILABILITY**

- Tin / Lead Ingot
- Tin / Copper Ingot
- Tin / Copper / Silver Ingot
- Tin / Silver Ingot



## **PREMIUM METAL SDN BHD**

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