

# NEWSLETTER

## MALAYSIAN TIN

## PRODUCTS

QUARTERLY | APRIL - JUNE 2021



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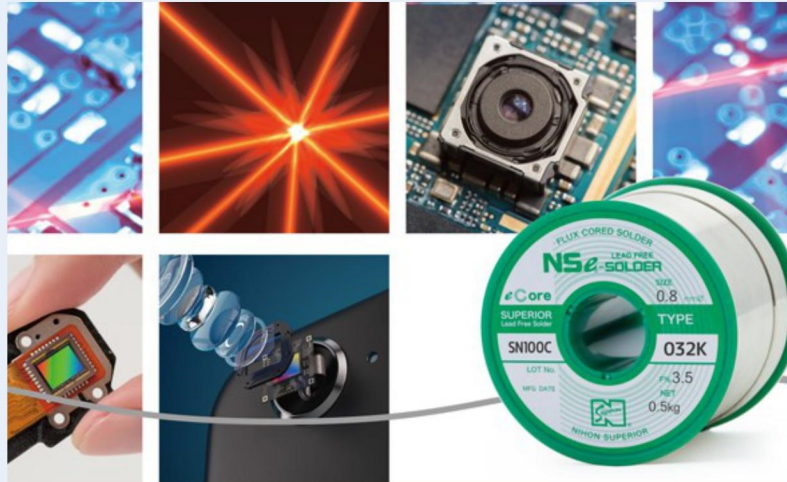
# NIHON SUPERIOR (M) SDN BHD



## Solving the Laser Soldering Problems of Slow Wetting and Spattering

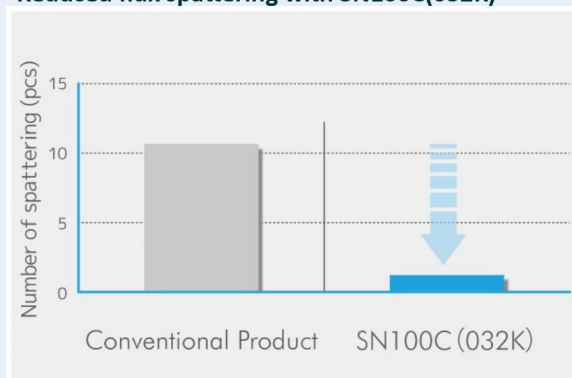
### PRODUCT LIST

- Solder Bar
- Flux Cored Solder Wire
- Solid Solder Wire
- Solder Paste for Printing Grade
- Solder Paste for Dispensing Grade
- Liquid Flux
- Solder Spheres
- Solder Ball
- Solder Preform
- Soldering Flux

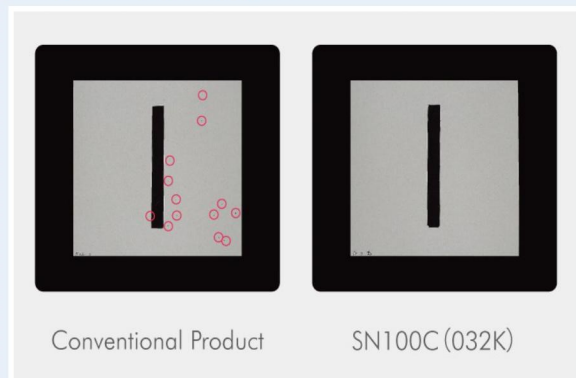


Comparison with conventional and competitor's equivalent products

### Reduced flux spattering with SN100C(032K)



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## SN100C(032K)



### FEATURES

- ✓ Compatible with Laser Soldering
- ✓ Reduced Flux Spattering
- ✓ No Cl or Br in the Formulation
- ✓ Wets Faster



# THE MALAYSIAN TIN PRODUCTS NEWSLETTER

QUARTERLY | APRIL - JUNE 2021

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ASSOCIATION MEMBERS

# PRESIDENT'S NOTE

Dear Members,

The Movement Control Order (MCO) 2.0 enforced by the Federal Government from 13 January to 31 May 2021 in the Federal Territories of Kuala Lumpur, Putrajaya and Labuan, and the States of Selangor, Penang, Melaka, Johor and Sabah did little to curb the Covid-19 infection rate in the country as the number of new infections continued to rise. The MCO 2.0 was replaced with the National Recovery Plan (NRP) on 1 June 2021 with the Government continuing to impose partial lockdowns. During this NRP period, only essential economic and services sectors were allowed to operate with approvals from their respective responsible ministries. Tin mining and smelting activities remained as non-essential services.

With tin smelting not allowed to operate during this pandemic and with restrictions in shipping and logistical movements as well as increasing Covid-19 infections at the work place, the country's sole tin smelter, Malaysia Smelting Corporation Bhd (MSC), announced a Force Majeure declaration on 7 June 2021.

This announcement by MSC created a significant impact on the tin industry ecosystem in Malaysia and elsewhere. As perhaps the only tin metal supplier on the Kuala Lumpur Tin Market (KLTM), this declaration by MSC left the KLTM without a seller. Thus, the KLTM announced tin trading suspension with effect from 9 June 2021. With such trading suspension meant that tin traders and buyers were left without a KLTM daily tin price reference and had to resort to using prices quoted on the London Metal Exchange (LME). The absence of a major local tin supplier had forced our Association members who are major tin consumers to secure their metal supply from overseas. Besides the slightly higher LME prices, they have to also bear additional transportation and logistical costs as well as higher premiums resulting in higher manufacturing cost.

In respect of Malaysia's economic performance, the Department of Statistics Malaysia (DoSM) reported that it recorded a small contraction of 0.5% in the Q1 GDP, a recovery from the 3.5% contraction in Q4 2020. The positive trend was primarily due to better performances in the manufacturing and agriculture sectors. DoSM projected that Malaysia's 2021 GDP would continue to improve and record a positive growth of between 4.5% and 5.5%. The projection was based on the continuing financial assistance packages provided by the Government, namely the Perlindungan Rakyat dan Pemulihan Ekonomi or Pemulih as announced by the Prime Minister, YAB Tan Sri Muhyiddin Yassin on 28 June 2021 to help cushion the impact of the implementation of the afore-mentioned NRP.

The Covid-19 National Immunisation Programme (PICK) has been progressing well. Mega Vaccination Centres (PPVs) have been opened in Klang Valley to speed-up the Covid-19 vaccination rate. The industry, in collaboration with the Ministry of International Trade and Industry (MITI), the Ministry of Health (MOH) and the Ministry of Science, Technology and Innovation (MOSTI), has introduced the Private-Public Partnership Covid-19 Industry Immunisation Programme or PIKAS to facilitate vaccination to the workforce in several important economic sectors, including the manufacturing sector. This effort should help to accelerate the immunisation programme and expedite business recovery.

Before concluding this brief President's Note, I would like to urge all Association members to take this opportunity to register all your staff for the PIKAS. Hopefully, in so doing, your business operations will stand ready and be able to return to normalcy during this trying period.

With warmest regards.

*Yew Wei Aun*



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





# SELAMAT HARI RAYA

Wishing Muslim Members  
of  
The Malaysian Tin Products  
Manufacturers' Association

**SELAMAT HARI RAYA AIDILFITRI  
MAAF ZAHIR & BATIN**



## ECONOMY NEWS

### Global Chip Demand Remains High

The impact of the current Movement Control Order (MCO) on the production of the local technology sector will depend on the duration of the lockdown, say analysts. The MCO, which has been extended to June 28 from June 12, saw the electrical and electronics sector operating at 60% workforce capacity. Apart from the current MCO, other near-term uncertainties for the sector include higher raw material costs due to the global semiconductor shortage, higher overall costs related to Covid-19 restrictions such as logistics, distribution and sanitation as well as travel restrictions impacting discussions with potential customers.

AmlInvestment Bank Research in its latest report said: "We believe that the multi-year growth riding on positive prospects for the sector has been fairly priced in." The positive prospects from the increasing demand for semiconductors, include the adoption of 5G smartphones and increased investment in expanding 5G infrastructure globally, electric vehicles and autonomous driving with more interest in new technologies and the adoption of Industry 4.0 technologies.

The World Semiconductor Trade Statistics has projected a 19.7% growth for global semiconductor sector estimated at US\$527bil (RM2.19 trillion) in 2021 followed by an 8.8% growth at US\$573bil (RM2.38 trillion) in 2022. Asia-Pacific, including China, is forecast to show the strongest growth rate at 23.5% this year, followed by Europe, Japan and the Americas. The Semiconductor Industry Association recorded US\$41.9bil (RM173.9 billion) sales in April this year – up 2% month-on-month and rose 22% year-on-year – as global demand remained high and sales rose across a range of chip products throughout the world's major regional markets.

Meanwhile, AmlInvest Research has "buy" calls on Inari Amertron Bhd and Globetronics Technology Bhd with a fair value (FV) of RM3.31 and RM2.84 respectively. This is followed by "hold" calls on Malaysia Pacific Industries Bhd (FV RM36.05) and Pentamaster Corp Bhd (FV RM4.99). The research house, which currently has a "neutral" call on the sector, however, may upgrade its to "overweight". This is provided if the companies under its coverage secure significant jobs and / or major customers, the strengthening US dollar, faster-than-expected adoption of technological trends such as 5G, spurring high demand for end products and improvement in the US-China trade relationship.

The research house noted that "all the companies under our coverage are expanding their capacity to cater for demand upsurge following the global chip shortage". It pointed out that Inari would continue its capacity expansion for its radio frequency business in line with the growing demand for 5G while Globetronics is expanding its factory space in Penang by 30%.

## SEMICONDUCTOR INDUSTRY NEWS

MPI, which is undergoing the second phase of its level two expansion at Carsem Suzhou, is also seeking a new site in China by end 2022 for its silicon carbide related-products while adding a 121,000 sq ft building near its M-Site in Ipoh, Perak. Pentamaster is also setting aside RM25 million to expand the production space of its factories in Batu Kawan and Bayan Lepas this year and is on the lookout for a third plant in Batu Kawan for its factory automated solution.

Source: *The Star*, 23 June 2021

### Semicon in Good Shape

It looks like its good news for the semiconductor sector with the World Semiconductor Trade Statistics organisation raising its global semiconductor sales forecast for this year, backed by a healthy growth trajectory. Factors contributing to such optimism include an acceleration in digitalisation for businesses, which inadvertently will require more chips produced by the sector. In its report, TA Securities said it was reiterating its "overweight" stance on the semiconductor sector.

"We have recommendations of 'buy' on Inari Amertron Bhd, Unisem (M) Bhd and Malaysian Pacific Industries Bhd (MPI) as well as a "sell" on Elsoft Research Bhd." The research house noted that in April 2021, global semiconductor sales advanced a further 1.9% month-on-month and 21.7% on a year-on-year (y-o-y) basis to US\$41.9bil (about RM173 billion). "Effectively, it was also the 15<sup>th</sup> consecutive month sales grew on a y-o-y basis. In tandem with the robust growth trajectory, the World Semiconductor Trade Statistics organisation has raised its global semiconductor sales forecast for 2021 from US\$488.3bil (RM2.01 trillion) to US\$527.2bil (RM2.17 trillion)." TA pointed out.

"We continue to favour outsourced assembly and test providers including Inari, Unisem and MPI for their strong sales pipelines and earnings growth prospects. We view that they are well positioned to benefit from the strong chip demand fuelled by accelerating digitalisation amid the Covid-19 pandemic, emerging trends including 5G rollout, and prospects of a global economic recovery," said the research house. Still, it noted risks to such expectations include a prolonged pandemic weighing on economic growth and sentiment as well as a prolonged and heightened trade war, weaker-than-expected sales and a weaker US dollar in which most chip sales are made.

# ELECTRICAL & ELECTRONIC INDUSTRY NEWS

In its latest press release posted on its website, international body Semiconductor Industry Association (SIA), quoting its president and CEO John Neuffer, said: “Global demand for semiconductors remained high in April, as reflected by rising sales across a range of chip products and throughout each of

the world’s major regional markets. The global chip market is projected to grow substantially in 2021 and 2022 as semiconductors become increasingly integral to the game-changing technologies of today and the future,” he said in the press release.

The SIA in the same release also noted that it had endorsed the WSTS Spring 2021 global semiconductor sales forecast, which projects the industry’s worldwide sales to be at US\$527.2bil (RM2.17 trillion) in 2021, a 19.7% increase from the 2020 sales total of US\$440.4bil (RM1.81 trillion). WSTS projects year-to-year increases in Asia Pacific (23.5%), Europe (21.1%), Japan (12.7%), and the Americas (11.1%), it said.

In 2022, the global market is projected to post slower – but still substantial – growth of 8.8%, SIA said. According to the release, WSTS tabulates its semi-annual industry forecast by gathering input from an extensive group of global semiconductor companies that provide accurate and timely indicators of semiconductor trends.

*Source: The Star, 11 June 2021*

## Japan Needs Billions to Stem Chip Decline

Japan must put at least a trillion yen (US\$9bil or RM37bil) toward chip development this fiscal year and trillions more after that, if it is to have any hope of reviving its national industry, according to the government’s lead adviser on its new semiconductor strategy. Anything less won’t be enough, given the high cost of chip factories and how far Japan lags behind South Korea and Taiwan in advanced manufacturing, according to Tetsuro Higashi, chairman emeritus at gear-maker Tokyo Electron Ltd and head of an expert panel advising the government.

“It will not be at all easy to stage a comeback,” the 71-year-old industry veteran said in an interview this week. “If we miss this opportunity now, there may not be another one.” Chips shortages that have crimped global production of everything from refrigerators to game consoles to cars this year have sent governments in China, South Korea, the United States and Japan scrambling to beef up their domestic supply. Japan is vulnerable because, after decades of under-investment, its manufacturers have to import about two-thirds of their chips.

Governments from Beijing to Washington and Brussels are prepping unprecedented investments into local chip manufacturing, intent on securing the basic components for most modern-day devices and military systems. But the money will go fast in an era where a single advanced wafer fab runs more than US\$10bil (RM42 billion). US President Joe Biden has laid out a US\$52bil (RM216 billion) plan to bolster domestic chip manufacturing, responding in part to China’s accelerating blueprint to place semiconductors at the heart of its development. South Korean companies like Samsung Electronics Co and SK Hynix Inc are committing US\$450bil (RM1.8 trillion) over a decade on chip research and expansion, while leader Taiwan Semiconductor Manufacturing Co alone has earmarked US\$100bil (RM415 billion) over the next three years.

In a report this month, Japan’s trade ministry said it would treat boosting growth in the industry as a national project, as important as securing food and energy. Part of the plan includes setting up domestic manufacturing bases that could include joint ventures with overseas chip foundries. TSMC is among firms that Japan wants to recruit, Higashi said, echoing recent comments from ruling party lawmaker and former economy minister Akira Amari. The Taiwanese company has declined to comment on whether it’s planning to set up a fab in the country, although its board this year approved setting up a subsidiary near Tokyo to expand materials research with funding from the Japanese government.

The former head of Tokyo Electron, one of the world’s largest suppliers of chipmaking equipment, said Japan’s economy, national security, and its efforts to go carbon neutral by 2050 all depend on semiconductors. To make deals happen, Japan needs to provide subsidies, give tax breaks and facilitate technology sharing, according to Higashi. Lawmakers are debating whether Japan’s economy needs more stimulus spending this fiscal year, but Higashi says any extra budget would need to include funding for chip investment.

In particular, more money should go toward the publicly-funded project in the works near Tokyo, where several Japanese firms plan to work with TSMC to develop 3D chips that are faster and more energy efficient. But this year’s money would only be the start. “It takes 10 years or more to build a world-class industry. If we don’t go forward with the understanding, and we just try to throw money at this in a one-time way, I can see us failing,” Higashi said.

*Source: The Star, 23 June 2021*



## MEMBERS' NEWS

### Leuze Setting up Melaka Facility

Germany's electrical and electronic (E&E) manufacturer Leuze electronic GmbH & Co KG is setting up a production facility in Melaka. The company offers a range of E&E products, including switching and measuring sensors, identification systems, data transmission and image processing solutions, and machine safety components and systems. The plant is scheduled for completion in March next year. "The total usable floor space will be just under 7,000 sqm, of which 2,000 sqm will be allocated for production," it said in a statement.

Leuze vice-president Matthias Hohl said the new plant represented a strategically important component in the company's global growth strategy. He said to tap the Southeast Asian market, Leuze had established a subsidiary in China in 2006 and another in Singapore in 2015. "Asia is a rapidly growing market in the area of electronics and promises significant undeveloped potential. For example, laboratory automation is one of our focus industries. We are especially strong in this market segment in Asia, where we have many customers. We want to be nearer to our Customers so that we can supply them even faster and better," he added.

Leuze chief operating officer Jochen Wimmer said with the new production location, its manufacturing structure in Asia would be expanded further. "By producing our sensor solutions at multiple locations globally, our logistics flows can be optimised and the delivery capability further improved." He said Leuze would primarily produce sensors for the Asian market at its Melaka facility. "This allows us to significantly minimise risk," he added.

*Source: News Straits Times, 1 February 2021*

### Superman goes Pewter

Superman is, arguably, the most famous superhero character in the world. He first appeared in the cover of Action Comics #1 (June 1938), at the first issue of the original run of the US comic book/magazine series Action Comics.

That iconic image, originally drawn by legendary Canadian / American comic book artist Joe Shuster, is now Royal Selangor's Limited Edition Superman Action Comics #1 sculpture. This Royal Selangor pewter sculpture, which is illustrated by comic book artist Alan Quah and sculpted by Mufizal Moktar, pays homage to the cover of Action Comics #1.

The Malaysian creative team has crafted a recognisably retro Superman, who is seen defying gravity, cape unfurled, and lifting up a wrecked car. The sculpture also comes complete with the comic book cover backdrop.

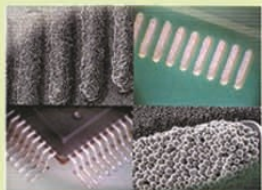
Limited to only 800 pieces worldwide, this sculpture is created in collaboration with Warner Bros Consumer Products, on behalf of DC Entertainment. Limited Edition Superman Action Comics #1 is the first in a series by Royal Selangor to celebrate covers that have become classics in over 80 years of superhero comic book history.

The regular Superman sculpture is priced at RM1,950. It is also available in a gilt finish (RM2,800) with a black-and-white comic cover, limited to 200 pieces worldwide.

*Source: The Star, 10 May 2021*



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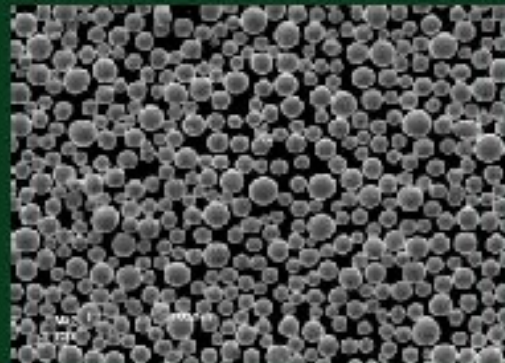
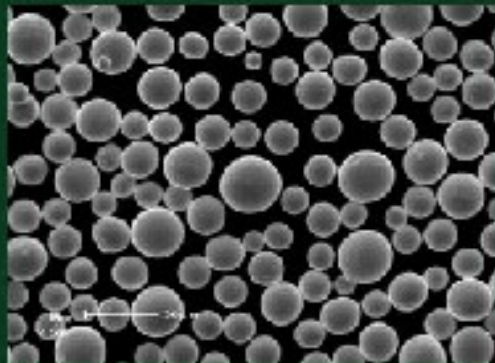
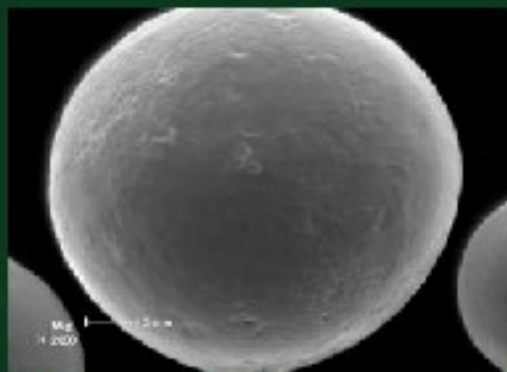




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**68100 BATU CAVES, SELANGOR DARUL EHSAN.**

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MALAYSIAN TIN STATISTICS					
(In Tonnes)					
Period	Production of Tin-In- Concentrates	Imports of Tin-In- Concentrates	Refined Tin Production	Local Consumption	Exports of in 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	n.y.a.	22,288	20,149	1,512	20,268
<b>2016</b>					
Jan	357	2,667	2,550	167	2,172
Feb	304	2,273	2,939	205	2,779
Mar	377	1,697	2,611	213	3,153
Apr	361	2,333	2,381	233	2,849
May	349	1,984	2,529	236	2,563
Jun	342	2,101	1,951	151	2,029
Jul	311	2,054	1,873	116	1,720
Aug	303	2,293	2,159	200	2,238
Sep	335	1,823	1,865	204	1,730
Oct	347	1,948	1,920	173	1,766
Nov	359	2,267	1,977	154	2,149
Dec	378	2,172	2,094	186	1,834
<b>2017</b>					
Jan	351	2,377	1,683	171	1,530
Feb	316	2,033	2,167	203	2,635
Mar	306	1,723	2,044	322	2,091
Apr	275	2,441	1,832	263	1,777
May	339	2,598	2,572	218	2,326
Jun	308	2,446	2,121	258	1,732
Jul	333	3,154	2,605	320	2,768
Aug	329	2,428	2,812	178	3,106
Sep	314	2,565	2,149	179	2,275
Oct	323	2,775	2,256	225	2,116
Nov	368	2,740	2,478	204	2,510
Dec	338	2,586	2,492	166	2,281
<b>2018</b>					
Jan	308	2,424	2,060	171	1,950
Feb	297	2,046	2,214	190	2,009
Mar	323	2,488	2,340	158	2,584
Apr	330	2,430	2,111	192	2,401
May	336	2,895	2,343	171	2,435
Jun	292	2,494	2,219	192	2,162
Jul	342	2,609	2,571	162	2,687
Aug	393	2,619	2,470	215	2,257
Sep	280	1,653	2,068	149	1,899
Oct	319	2,284	2,282	117	2,138
Nov	324	1,844	2,563	102	2,746
Dec	306	1,874	1,874	145	2,074
<b>2019</b>					
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
<b>2020</b>					
Jan	288	2,136	2,224	93	2,069
Feb	265	1,449	1,880	119	2,138
Mar	162	1,105	978	71	1,009
Apr	36	1,198	878	75	813
May	252	2,187	1,243	99	1,356
Jun	278	1,927	1,737	190	1,469
Jul	272	1,972	1,695	150	2,100
Aug	277	2,785	2,484	151	2,118
Sep	292	2,398	1,742	138	1,873
Oct	295	1,565	1,803	146	1,802

\* : preliminary

n.y.a. : not yet available

Sources : Department of Statistics, Malaysia

Department of Minerals and Geoscience, Malaysia

Malaysia Smelting Corporation Bhd



DOMESTIC TIN CONSUMPTION					
(In Tonnes)					
Period	Total Consumption	Solder (*)	Tinplate	Pewter	Others (*)
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
<b>2017</b>					
Jan	171	102	54	12	3
Feb	203	133	64	2	4
Mar	322	139	76	13	94
Apr	263	100	72	2	89
May	218	150	61	3	4
Jun	258	108	61	12	77
Jul	320	143	76	1	100
Aug	178	79	62	2	35
Sep	179	101	40	1	37
Oct	225	104	68	4	49
Nov	204	95	49	1	59
Dec	166	94	54	10	8
<b>2018</b>					
Jan	171	101	57	3	10
Feb	190	133	54	1	2
Mar	158	93	49	13	3
Apr	192	103	78	1	10
May	171	106	56	1	8
Jun	192	116	61	13	2
Jul	162	99	60	0	3
Aug	215	132	75	1	7
Sep	149	62	62	1	24
Oct	117	23	69	1	24
Nov	102	11	61	0	30
Dec	145	40	77	4	24
<b>2019</b>					
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	60	47	3	3
Aug	122	41	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
<b>2020</b>					
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
<b>2021</b>					
Jan	n.y.a	n.y.a	66	n.y.a	n.y.a
Feb	n.y.a	n.y.a	37	n.y.a	n.y.a
Mar	n.y.a	n.y.a	68	n.y.a	n.y.a
Apr	n.y.a	n.y.a	68	n.y.a	n.y.a
May	n.y.a	n.y.a	46	n.y.a	n.y.a
Jun	n.y.a	n.y.a	50	n.y.a	n.y.a
Jul	n.y.a	n.y.a	64	n.y.a	n.y.a
Aug	n.y.a	n.y.a	57	n.y.a	n.y.a
Sep	n.y.a	n.y.a	53	n.y.a	n.y.a

n.y.a : not yet available

Sources : Department of Minerals and Geoscience, Malaysia

Malaysia Smelting Corporation Bhd

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

\*\* : Preliminary.

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 for which actual consumption data available.

<b>WORLD STOCKS OF REFINED TIN</b> (In Tonnes at Period End)			
Period End	LME Stocks	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
<b>2017</b>			
Jan	5,800	18,902	4,020
Feb	5,560	18,769	4,020
Mar	3,510	18,227	4,020
Apr	2,865	18,189	4,020
May	1,910	18,469	4,020
Jun	1,690	19,336	4,020
Jul	1,985	19,374	4,020
Aug	1,910	19,436	4,020
Sep	2,070	18,814	4,020
Oct	2,095	18,818	4,020
Nov	2,395	18,983	4,020
Dec	2,235	19,245	4,020
<b>2018</b>			
Jan	1,955	19,318	4,020
Feb	1,720	19,318	4,020
Mar	2,060	19,087	4,020
Apr	2,225	19,025	4,020
May	2,420	15,387	4,020
Jun	3,130	14,304	4,020
Jul	2,970	17,872	4,020
Aug	2,940	17,741	4,020
Sep	2,865	18,332	4,020
Oct	3,085	15,332	4,020
Nov	3,045	17,728	4,020
Dec	2,165	16,790	4,020
<b>2019</b>			
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	7,110	23,217	4,020
<b>2020</b>			
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	1,860	22,129	4,020
<b>2021</b>			
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	21,499	4,020
Sep	1,235	n.y.a	n.y.a

n.y.a : not yet available

Sources : Metal Bulletin / World Bureau of Metal Statistics

KLTM & LME TIN PRICES				
	KLTM		LME CASH	
	Average Price (*)		Total Turnover	Average Price
	(USD / Tonne)	(RM / Kg)	(Tonnes)	(USD / Tonne)
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	79.90	4,088	17,134
<b>2017</b>				
Jan	20,801	92.92	722	20,750
Feb	19,548	86.99	658	19,492
Mar	19,762	87.80	744	19,832
Apr	19,885	87.59	687	19,991
May	20,104	86.84	744	20,231
Jun	19,707	84.39	625	19,702
Jul	20,178	86.64	711	20,273
Aug	20,438	87.67	774	20,570
Sep	20,729	87.39	722	20,855
Oct	20,450	86.58	780	20,469
Nov	19,477	81.46	923	19,575
Dec	19,353	78.93	800	19,440
<b>2018</b>				
Jan	20,415	80.77	973	20,711
Feb	21,558	84.37	756	21,694
Mar	21,049	82.15	933	21,214
Apr	21,151	82.22	744	21,340
May	20,740	82.36	710	20,900
Jun	20,616	82.43	907	20,663
Jul	19,687	79.80	857	19,700
Aug	19,299	78.99	642	19,281
Sep	18,905	78.29	736	18,999
Oct	19,048	79.18	762	19,129
Nov	19,133	80.09	536	19,139
Dec	19,208	80.17	519	19,243
<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

Sources : Kuala Lumpur Tin Market / Malaysia Smelting Corporation Bhd

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)
2017	2,508.82	142,225
2018	1,965.47	107,375
2019	1,899.25	66,200
2020	2,018.60	133,175
<b>2017</b>		
Jan	2,236.69	189,050
Feb	2,321.73	189,600
Mar	2,277.30	184,275
Apr	2,231.31	169,425
May	2,131.67	180,275
Jun	2,131.18	164,150
Jul	2,266.40	152,800
Aug	2,357.32	148,425
Sep	2,377.29	157,475
Oct	2,506.30	149,250
Nov	2,464.41	145,000
Dec	2,508.82	142,225
<b>2018</b>		
Jan	2,589.77	133,250
Feb	2,580.83	125,225
Mar	2,397.00	129,100
Apr	2,357.38	130,775
May	2,363.88	133,475
Jun	2,440.74	131,775
Jul	2,212.91	127,025
Aug	2,064.86	122,925
Sep	2,028.23	115,700
Oct	1,985.15	113,550
Nov	1,940.16	105,125
Dec	1,965.47	107,375
<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

## COPPER

LME PRICES & STOCKS		
	Cash Settlement (US\$ / Tonne)	Stocks Period End (Tonnes)
2017	6,801.16	200,650
2018	6,094.21	132,175
2019	6,062.43	144,675
2020	7,755.24	105,800
<b>2017</b>		
Jan	5,737.43	260,850
Feb	5,941.55	200,725
Mar	5,821.52	283,900
Apr	5,697.67	253,675
May	5,591.50	308,000
Jun	5,699.48	278,275
Jul	5,978.60	295,525
Aug	6,478.18	223,500
Sep	6,583.19	295,500
Oct	6,797.39	273,675
Nov	6,825.57	183,525
Dec	6,801.16	200,650
<b>2018</b>		
Jan	7,080.30	304,675
Feb	7,001.80	328,000
Mar	6,795.76	383,025
Apr	6,838.55	325,525
May	6,821.76	317,950
Jun	6,954.79	289,875
Jul	6,248.18	251,950
Aug	6,039.75	262,475
Sep	6,020.03	199,125
Oct	6,215.89	136,675
Nov	6,193.00	134,200
Dec	6,094.21	132,175
<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

## SILVER

LONDON SPOT PRICES	
	London Spot (US Cents / Troy Oz)
2017	1,616.00
2018	1,470.00
2019	1,711.00
2020	2,488.74
<b>2017</b>	
Jan	1,681.00
Feb	1,787.00
Mar	1,759.00
Apr	1,804.00
May	1,676.00
Jun	1,696.00
Jul	1,614.00
Aug	1,691.00
Sep	1,745.00
Oct	1,694.00
Nov	1,701.00
Dec	1,616.00
<b>2018</b>	
Jan	1,717.00
Feb	1,666.00
Mar	1,647.00
Apr	1,661.00
May	1,647.00
Jun	1,652.00
Jul	1,571.00
Aug	1,501.00
Sep	1,426.00
Oct	1,458.00
Nov	1,437.00
Dec	1,470.00
<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

n.y.a. : not yet available  
Source : London Metal Exchange  
The Silver Institute

## ASSOCIATION MEMBERS

Currently, the Association comprises one associate and 15 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:

### ORDINARY MEMBERS:

#### **TINPLATE**

Perusahaan Sadur Timah Malaysia Bhd (PERSTIMA)

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Nihon Superior (M) Sdn Bhd

RedRing Solder (M) Sdn Bhd

Selayang Metal Industries Sdn Bhd

Selayang Solder Sdn Bhd

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Selwin Pewter Sdn Bhd

Tumasek Pewter Sdn Bhd

### ASSOCIATE MEMBER:

Malaysia Smelting Corporation Bhd





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