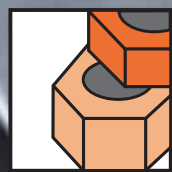


2024



METALEX

NO. 1 MACHINE TOOLS & METALWORKING EXHIBITION SERVING ASEAN – 38th EDITION

(WED-SAT)

20-23 NOV

BITEC BANGKOK



SMART MATERIALS

Connect with the right market.
Expand your success boundary.

Co-located with:



Built by
RX Tradex



CONTACT US +66 2686 7299 metalex@rxtradex.com [metalexpage](https://www.facebook.com/metalexpage) [@metalexexpo](https://www.line.me/tv/metalexexpo)

www.metalex.co.th

2024



(WED-SAT)
20-23 NOV BITEC
BANGKOK



Thailand : The Hub of Aluminium Products

Thailand manufactures both thick and thin aluminium sheets used in a wide range of products. The country uses aluminium to produce drink can lid (30%), heat ventilator in air conditioners (10%) ; food wrap foil (5%); 55% in construction, automotive, ship, solar cells, and aero plane.

Brighter Future for Aluminium

The aluminium market of Thailand is valued at 5,800 million USD in 2023. It is forecast to continue to increase, starting in 2024, at a 10.3% CAGR and valued at 12,190 million USD in 2030.

According to the Office of Permanent Secretary, Ministry of Commerce, although Thailand imported aluminium in 2023 20.74% less than the value of 2022, that number has increased in 2024.

Thailand's aluminium import in the first quarter of this year is 11.22% higher than the year 2023 when compared to the same period of last year while the aluminium product import is 13.94% higher. This indicates the rising demand for the smart materials.



Low Carbon. High Opportunity.

The more complicated trade measurement such as the EU Carbon Border Adjustment Mechanism or CBAM has driven exporters to produce with sustainability in mind. Aluminium is the smart material that can assist manufacturers to meet this requirement. According to Kasikorn Thai Research Center, one of Thailand's rising business sectors is "Low Carbon Business" which cover many segments including EV and Solar Rooftop. It is expected that, in 2024, the market share ratio of EV and I.C.E. vehicles will be no less than 10% while the alternative energy generation will rise to 15 – 20% when compared to 13% of the year 2022. The low-carbon material such as aluminium, which is a vital material of EV, is becoming a rising star in the manufacturing industry.



EV Driving Aluminium Usage

The advent of Electric Vehicle has resulted in the need for aluminium to increase 3 times per vehicle unit. Generally, EV uses 70 kilograms of aluminium per car; this rising trend will increase the usage to 200 – 300 kg./unit.

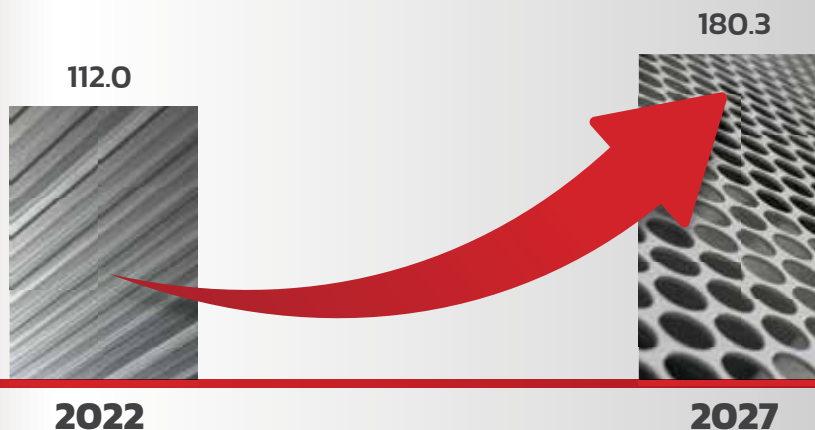
Thailand has become the emerging hub of EV plants, and it can be expected that aluminium usage of this sector as well as other segments will increase the demand for aluminium in years to come.

MEET HIGH-POWER BUYERS AT NO.1 METALWORKING EVENT



Smart Materials will be one of the highlighted features at **METALEX 2024**, the ASEAN's number-one exceptional industry-specific platform designed to supercharge metalworking business for technology providers through a comprehensive range of exhibit profiles including machine tools, sheet metal, wire and tube, welding, robots, and many more, with over 100,000 industrialists expected to come together to source the most efficient technologies and solutions from over 3,000 brands to improve their industrial performance and productivity. This is an ideal platform where technology providers and buyers can connect, discuss business, and share ideas to achieve their mutual goals. Grasp this opportunity to be a part of our **Smart Materials Zone** located in front of Hall 98 of BITEC, Bangkok. Reserve your exhibit space now and meet your targeted buyers at METALEX!

FORECAST OF SMART MATERIALS MARKET IN THAILAND (USD MILLION)



SOURCE : WWW.MARKETRESEARCH.COM/CONSTRACK360-V4128/THAILAND-SMART-MATERIALS-DATABOOK-SERIES-34749086/

WHY EXHIBIT ?

1. Meet with large number of visitors from ASEAN and around the world. This is the special zone at METALEX, the number-one machine tools and metalworking exhibition serving ASEAN.
2. Explore the complete aluminium industry chain in one show.
3. Communicate with potential clients face to face supported by matchmaking services.
4. Emperia, the smart way to connect with the new business partners without exchanging business cards, and recommendation list for your right business matching.
5. Keep up to date with the latest industry trends.

EXHIBIT PROFILES

Aluminium Materials

- Raw aluminium
- Recycled aluminium
- Aluminium alloys
- Primary aluminium products
- Semi-finished products, such as aluminium profiles, sheets, belts, foils, aluminium-plastics, castings, and forgings
- Deep processed products, covering construction, transportation, machinery, packaging, electronics, photo-voltaic industries

Processing Equipment & Auxiliaries

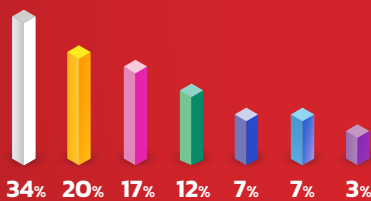
- Raw aluminium processing equipment
- Recycled aluminium processing equipment
- Heat processing equipment
- Extrusion and rolling equipment
- Surface treatment equipment
- Testing equipment
- Deep processing equipment
- Auxiliary materials, such as master alloys, foundry chemicals, refractories etc.
- Smart manufacturing equipment
- Environmental protection and energy efficient equipment
- Smart raw materials, such as steel, stainless steel, titanium etc.

VISITOR PROFILES

- Aluminium processing factories
- Aluminium traders, distributors and agents
- Machinery and equipment makers
- Transportation industry players, such as auto parts makers, auto makers, rail transportation players, space and aerospace players
- Consumer electronics and white goods
- Packaging industry
- New Energy (wind, solar etc.)
- Building & Construction, such as windows, doors, and walls ; home decoration; real estate developers and construction contractors; model makers
- Other aluminium users

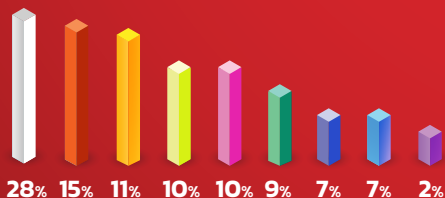
VISITOR ANALYSIS OF METALEX 2023

JOB FUNCTION



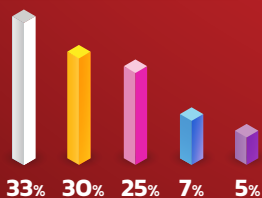
- Engineer / Technician
- Factory Processing/ Production
- Marketing / Sales
- General Management
- Quality Control / Quality Assurance Department/Research and Development Department
- Sourcing Purchase
- MIS/EDP/IT

CURRENT INDUSTRY



- Automotive & Auto Parts
- - Agricultural Machinery
- - Building & Construction
- - Equipment & Instrument
- Electrical & Electronics
- - Job Shop
- - Mold & Die Industry
- - Aerospace/Defense
- - Airconditioning & Refrigeration
- - Food & Beverage Processing
- - Furniture Manufacturing
- - Architecture/Interior
- - IT & Telecommunication
- - Metal Nanotechnologies
- - Oil & Gas
- - Plastic & Rubber Industry
- - Material Handling Equipment/ Logistics
- - Packaging
- Machine Building
- - Shipbuilding
- - Jewelry Industry
- - Watch & Clocks
- - Rail System

PURPOSE OF VISIT



- Look for new alternative suppliers/contact
- See existing suppliers/extend my network/attending onsite seminars and conferences
- Look for new products/technologies/ services/solutions
- Meet specific people for conducting specific business objective
- Evaluate show for future exhibit next year