

# METALTECH®

24<sup>TH</sup> INTERNATIONAL MACHINE TOOLS AND  
METALWORKING TECHNOLOGY EXHIBITION



Co-locating:

**autoMEX**  
11<sup>TH</sup> INTERNATIONAL AUTOMATION  
TECHNOLOGY EXHIBITION

**23-26 MAY 2018**  
**PUTRA WORLD TRADE CENTRE (PWTC)**  
**KUALA LUMPUR, MALAYSIA**

## Opening Hours

Wednesday - Friday	Saturday
23 - 25 May 2018	26 May 2018
10:00 - 18:00	10:00 - 17:00

Organised by:



**Pre-register  
your visit now on**  
**[www.metaltech.com.my](http://www.metaltech.com.my)**

[www.metaltech.com.my](http://www.metaltech.com.my) | [www.automex.com.my](http://www.automex.com.my)

# SHOW PREVIEW

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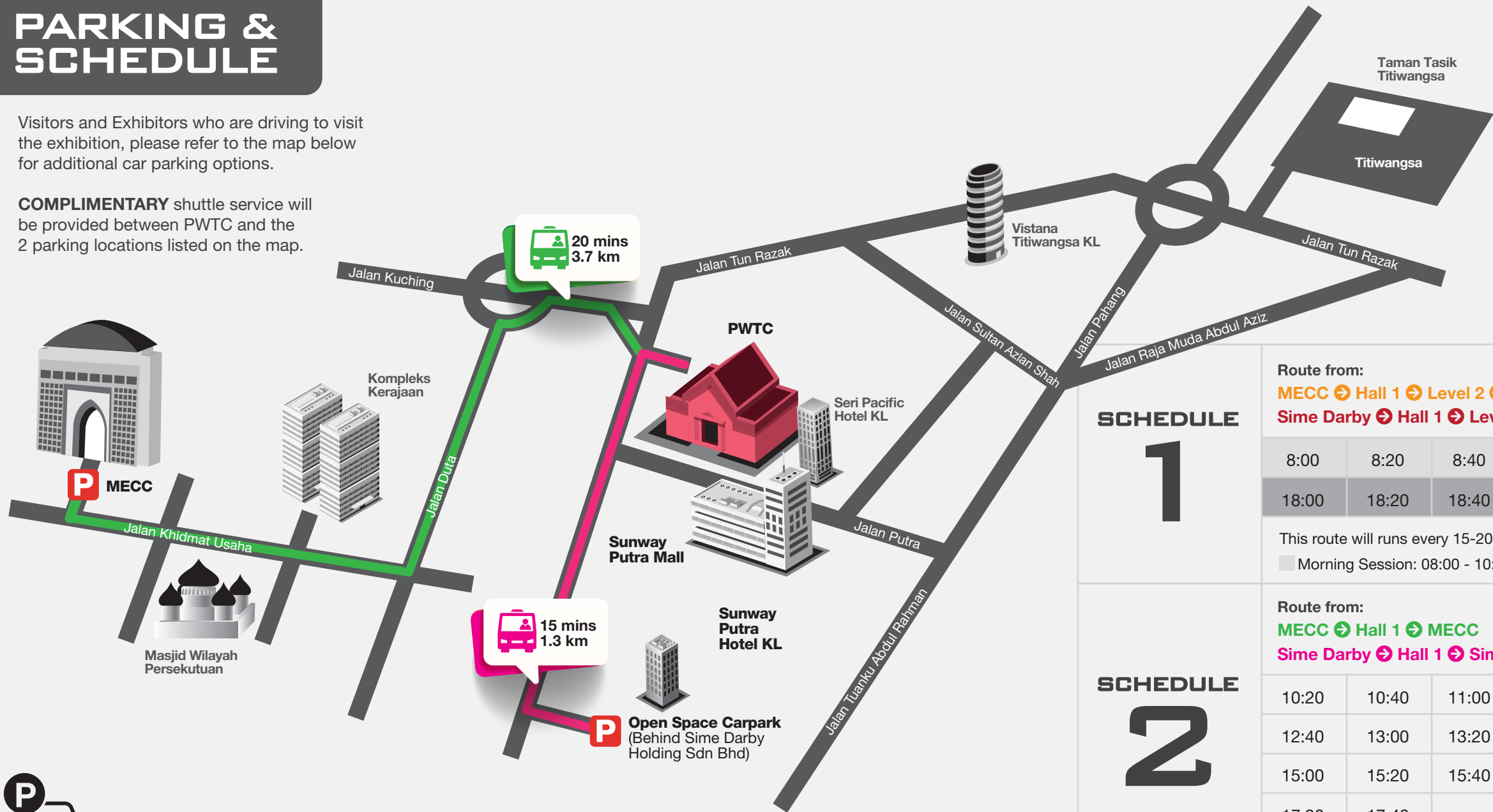
Official Media Partner:



PARKING & SCHEDULE

Visitors and Exhibitors who are driving to visit the exhibition, please refer to the map below for additional car parking options.

COMPLIMENTARY shuttle service will be provided between PWTC and the 2 parking locations listed on the map.



PARKING LOCATION

- Matrade Exhibition & Convention Centre (MECC)**  
Coordination: 3.177379, 101.666926
- Open Space Carpark**  
(Behind Sime Darby Holding Sdn Bhd)  
Coordination: 3.162288, 101.694497

Note: As car parks can get full during peak travel times, we advise you to arrive as early as possible to guarantee your parking spot.

SHUTTLE SCHEDULE



SCHEDULE

1

Route from:  
MECC → Hall 1 → Level 2 → MECC  
Sime Darby → Hall 1 → Level 2 → Sime Darby

8:00	8:20	8:40	9:00	9:20	9:40	10:00
18:00	18:20	18:40	19:00			

This route will runs every 15-20 minutes\* for two sessions.  
Morning Session: 08:00 - 10:00 Evening Session: 18:00 - 19:00

SCHEDULE

2

Route from:  
MECC → Hall 1 → MECC  
Sime Darby → Hall 1 → Sime Darby

10:20	10:40	11:00	11:20	11:40	12:00	12:20
12:40	13:00	13:20	13:40	14:00	14:20	14:40
15:00	15:20	15:40	16:00	16:20	16:40	17:00
17:20	17:40					

This route will runs every 15-20 minutes\* from 10:20 - 17:40

SCHEDULE

3

Route from:  
Sunway Putra Hotel → Hall 1 → Level 2 → Sunway Putra Hotel

9:00	9:20	9:40	10:00	10:20	10:40	11:00
11:20	11:40	12:00	12:20	12:40	13:00	13:20
13:40	14:00	14:20	14:40	15:00	15:20	15:40
16:00	16:20	16:40	17:00	17:20	17:40	18:00

This route will runs every 15-20 minutes\* from 09:00 - 18:00

Remarks:  
The operating hours of the shuttle services from Sunway Putra Hotel to MECC/Sime Darby will be EXTENDED from 19:00 to 22:00 on 24 May (Thursday) during the METALTECH Exhibitor Night.

\*subject to traffic conditions

FREE SHUTTLE SERVICES



Shuttle Transfer ⇄ PWTC

Time: 08:00 - 19:00 (23-25 May 2018)  
08:00 - 18:30 (26 May 2018)

Pick Up/Drop Off Point

PWTC • Hall 1 (Dewan Tun Razak 1)  
• Level 2 (Main Building)

Sunway Putra Hotel

Matrade Exhibition & Convention Centre (MECC)  
Open Space Carpark (Behind Sime Darby Holding Sdn Bhd)

## HOW TO GET TO THE VENUE?



### TRANSPORTATION BY TRAIN

The LRT station is located just opposite PWTC. Interchanging between rails is at the KL Sentral / Masjid Jamek station.

**MY RAPID RAIL**  
(Monorail Line / LRT Sri Petaling / Ampang Line & Kelana Jaya Line)  
T: 603 7885 2585

**KTM COMMUTER**  
T: 603 2267 1200



### TRANSPORTATION BY BUS

Buses in the city are readily available. One can stop at the PWTC bus stand located on Level 2 or the other alternative is to stop at Sunway Putra Mall (Shopping Arcade) located opposite PWTC.

**RAPID KL**  
T: 603 7885 2585

**LEN SENG**  
T: 603 4023 4452



### TRANSPORTATION BY TAXI

**PUBLIC CAB**  
T: 603 6259 2020

**SAUJANA**  
T: 603 2162 8888

**KLIA AIRPORT LIMO**  
T: 603 9081 4040

**RADIO TAXI**  
T: 603 9221 7600

**SUNLIGHT**  
T: 603 9200 1166

**ZALNAS CAB**  
T: 603 2692 6000



**GET RM8 OFF 2 RIDES\***  
to/from Putra World Trade Centre  
from 23 - 26 May 2018!

Promo Code

**METALTECH**

\*Terms & Conditions:

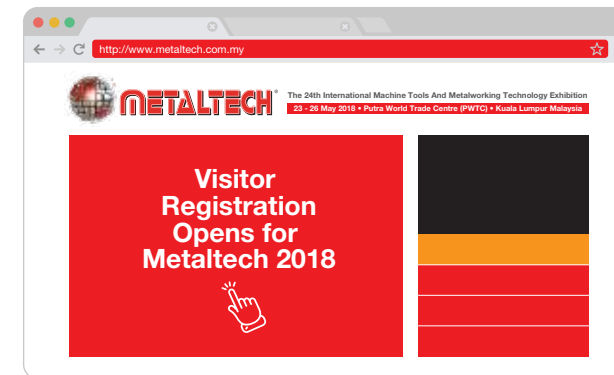
- Valid for all Grab services
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- Valid for the first 1,000 rides daily



**PRE-REGISTER NOW!**

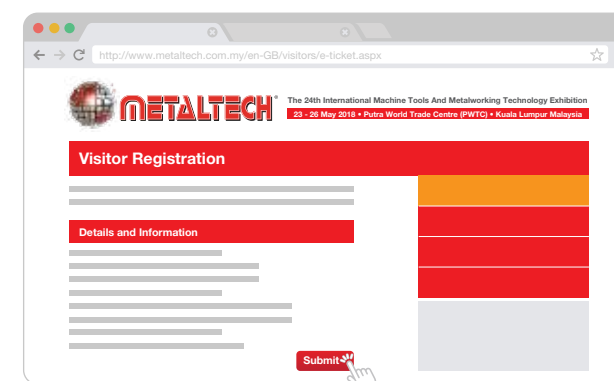
Go to [www.metaltech.com.my](http://www.metaltech.com.my) to pre-register your visit today and avoid long queues upon arrival.

**STEP 01**



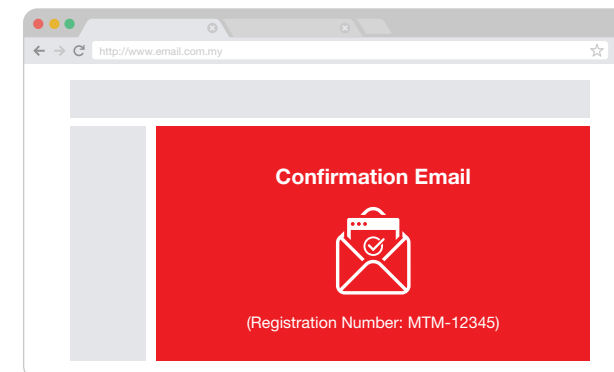
Go to <http://www.metaltech.com.my> and click on visitor E-ticket.

**STEP 02**



Fill in the details and click submit.

**STEP 03**



You will receive a confirmation email with a registration number. Present the confirmation email to the E-Registration Counter at Level 2 or at Hall 1, Putra World Trade Centre in order to collect your badge.

## IMPORTANT



The exhibition is open to trade, professional and business visitors by invitation and business card registration only.



For safety reasons, children below the age of 16 will not be allowed to enter the exhibition halls at any time.



All visitors must be suitably attired. Those in shorts, singlet and slippers will not be allowed into the exhibition halls.



The organiser reserves the right to refuse admission to any portion or remove any person from the exhibition halls without giving any reasons.



# WHAT IS BUSINESS MATCHMAKING PROGRAMME?

The business matchmaking programme is aimed at assisting all buyers and suppliers to make critical connections and conduct necessary meetings during or after the event.

To participate in this special new matchmaking feature, please send your list of overseas buyers, brands or delegates that you are keen to make contact with [puteng.lee@ite-asia.com](mailto:puteng.lee@ite-asia.com).

## 4 Simple Steps To Register



### STEP 1 CREATE YOUR ACCOUNT

Register and you will receive an invitation email with a personalised link before the event.



### STEP 2 COMPLETE YOUR PROFILE

After choosing your preferred language, you may choose the quality of people you want to meet and load the list. Participants' list will rank based on your preferences and you can update your profile now.



### STEP 3 SCHEDULE MEETINGS

Schedule your time and send out requests to people you would like to meet with. Always include a personal note when sending out the meeting request. You will receive regular email updates regarding your meeting requests and this can be saved on your email calendar.



### STEP 4 GET CONNECTED

You are all set! Get final meeting schedule via email and you will receive free SMS reminders before a new meeting is due.

*Note:*  
We respect your privacy. All of your personal contact information will be kept confidential. Rest assured that no contact information will be shared via the meetings platform.

## Business Matchmaking Programme 2017 Statistics



**100's**  
of meetings across four day event



**90%**  
of visitor satisfaction with business matchmaking platform

## How the business matchmaking will benefit me and my business?

Meet face-to-face and establish a direct and personal contact with decision makers of purchasing companies

To identify business growth opportunities and trends in Southeast Asia region

Build new relationship in discuss prospects

## INDUSTRY SEMINAR DAY 1



**Smart Manufacturing:**  
Automated System Integration & Process Control  
Industry 4.0 • Industrial Internet of Things • Robot Automation • Automated System Integration • High Mix Low Volume Manufacturing • Smart Machine & Smart Automation

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Artificial Intelligent & Machine Learning • 3D Printing & Additive Manufacturing • Latest Welding Technologies • Smart Management on Material Handling & Logistic

**METALTECH**

**23 May 2018  
Wednesday**

**PWTC, Level 2,  
Bilik Johor/ Kedah**

**MORNING SESSION: 10:00 - 13:00**

**10:00 - 10:30 : Registration**

**10:30 - 11:00**

### Keynote Speech : Industry 4.0 - From the Idea to Implementation

The networking of virtual and real production has been steadily increasing for years. In Germany, this leads to fascinating perspectives that are summarized under the term Industry 4.0, where intelligent technical systems form the basis for. The keynote contains background information on Industry 4.0. In addition to past developments and current trends in Industry 4.0, application examples from the German Leading Edge Cluster it's owl will be presented.



**SPEAKER**  
**Prof. Dr.-Ing Roman Dumitrescu**  
(Fraunhofer-Institut für Entwurfstechnik Mechatronik IEM)

**11:00 - 11:30**

### Back to Basics - Removing the confusion from the Industry 4.0 discussion

With new technology for manufacturing and data analysis coming online at an exponential rate, Small & Medium size manufacturing companies are feeling overwhelmed with the seeming large task of keeping pace with the ever growing globally connected competitive landscape. Monikers such as Factory of the Future or Industry 4.0 create buzz and a fear of missing out mentality. This phenomena can often cause manufacturers to lose sight of what is most important, maintaining or increase flow and profitability in your production business. This talk will help remove the confusion, and bring the focus back to the basics, and discuss the new way to plan for success in manufacturing.



**SPEAKER**  
**Mr Todd Abraham,**  
Director Business Development, MBA  
(Monitor ERP System Sdn. Bhd.)

**11:30 - 12:00**

### Optimizing Casting Processes through Autonomous Engineering

Productivity is one of the main objectives in the Industry 4.0 revolution. MAGMA is one of the early adopters, implementing this idea practically with optimization features which help to understand and autonomously improve existing processes in the metal casting and manufacturing world. We will showcase how one of our customers overcame production challenges in their brake disc part.



**SPEAKER**  
**Rachmat Santoso,**  
CAE Implementation Manager (MAGMA Engineering Asia Pacific Pte Ltd)

*\* The above topics / speakers / dates / times are correct as of print time and is subject to changes or addition without prior notice.  
\* Kindly visit [www.automex.com.my](http://www.automex.com.my) to view the complete programme.*





# INDUSTRY SEMINAR

## DAY 1



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Smart Automation

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Printing & Additive Manufacturing • Latest Welding  
Technologies • Smart Management on Material  
Handling & Logistic

23 May 2018  
Wednesday

PWTC, Level 2,  
Bilik Johor/ Kedah

### MORNING SESSION: 10:00 - 13:00

12:00 -  
12:30

#### Making Your Business Data & Model Centric

In an increasingly connected world, your company design IP and processes need to become data-driven and model-based. This will form a firm foundation for a seamless transition to Industry 4.0. Learn about how the Dassault Systemes SOLIDWORKS innovation platform helps the digital transformation of your business/industry.



SPEAKER  
**Low Hock Chuan,**  
*Solution Consultant*  
(Dassault Systèmes  
Asia Pacific South)

12:30 -  
13:00

#### Industry 4.0 Starter Kit for Connected Manufacturing

In a connected manufacturing environment, intelligent machines can communicate and interact with each other in both greenfield and brownfield environments. Connectivity is a MUST to demonstrate the features of Internet of Things. During this session it will be presented on how one can upgrade new and existing machines with IoT and get started with connectivity in manufacturing operations.



SPEAKER  
**Igor Kabakov,**  
*Dipl. Engineer,*  
*Senior Sales Manager*  
(Bosch Rexroth  
Malaysia)

### AFTERNOON SESSION: 14:00 - 17:00

14:00 - 14:30 : Registration

14:30 -  
15:00

#### Machine Vision System in Industry 4.0

Machine Vision System are widely used in Medical, Semiconductor/Electronic, Automotive, Food & Beverage, Packaging and Printing industry particularly in Quality products inspections. Today we all see the revolution in the manufacturing world which is Industry 4.0, or IOT, "The Industrial Internet of Things." Industry 4.0 refers to a set of emerging innovations in advanced Automation + IOT which comprise machine vision, Big Data (sensors), cloud computing and machine learning. The Matrox imaging software can collect camera inspection data and send to data centre or cloud for analysis such as production trend, analysis report and preventive maintenance with some AI (artificial intelligence) algorithm. The main objectives of Industry 4.0 are to increase production efficiency, reduce waste, refine product quality, enhance manufacturing flexibility, decrease operating costs and down-time.



SPEAKER  
**Ir. Dr. Kenny  
Ang Teoh Ong,**  
*Director*  
(Control Easy  
Technology Sdn Bhd)

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## FIRST STEP TOWARDS INDUSTRY 4.0

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Email us at [malaysia@monitorerp.com](mailto:malaysia@monitorerp.com) to book a demonstration

# INDUSTRY SEMINAR

## DAY 1



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Handling & Logistic

23 May 2018  
Wednesday

PWTC, Level 2,  
Bilik Johor/ Kedah

### AFTERNOON SESSION: 14:00 - 17:00

15:00 -  
15:30

#### Automation & Modernization Financing Towards Industrial Revolution 4.0

MIDF provides financing assistance for manufacturers to upgrade and automate their production facilities. MIDF provides financing for purchase of new machinery and equipment including costs related to the automation investment such as consultancy, training, designing, fabrication and installation. The financing profit rate is low at 4% per annum. The financing tenure for machinery or equipment financing is up to 10 years inclusive of Grace Period of up to 3 years.



SPEAKER  
**En Norazlan Bin Zakaria,**  
*Head of Marketing,*  
*Marketing & Market*  
*Development Department,*  
*Development*  
*Finance Division*  
(Malaysian Industrial  
Development Finance  
Berhad (MIDF))

15:30 -  
16:00

#### Industry 4.0 is changing Design and Manufacturing Methodologies

Industry 4.0 has gained momentum and governments around the world defining initiatives and programs to support the industry to become more effective and productive. However Industry 4.0 is more than adopting technology, it focus on the methodology as well. Design and manufacturing methodologies will change and being supported by available technology. Companies need to understand that the way how we work and how we are producing a product will create new opportunities and business models. The impact of Industry 4.0 is not only on the technology it is also on our methods and processes as well as on our mind set. Creative and innovative solution will make the difference for the future growth of a business.



SPEAKER  
**Martin Stefan Mueller,**  
*Technical Manager*  
(Mawea Industries  
Sdn Bhd (A Member  
of IME Group of  
Companies))

16:00 -  
16:30

#### IIOT – The Solutions for the Digital Future

The IIoT will revolutionize manufacturing by enabling the acquisition and accessibility of far greater amounts of data, at far greater speeds, and far more efficiently than before. Integration of all communication from the ERP level to the field level is an essential requirement for today's most advanced production systems. To bridge the divide between IT and automation, plant operators are increasingly turning to the IIOT standard.

- The Benefits of IIoT
- IIoT Protocols
- Challenges of the IIoT – Brownfield and Security
- The Future of the IIoT



SPEAKER  
**McCoy Chung,**  
*Sales Engineer of*  
*B&R Malaysia*  
(B&R Industrial  
Automation Pte Ltd)

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#### Eligibilities

- Companies incorporated under the Company Act 1965;
- At least 51% equity held by Malaysians;
- Possess valid manufacturing/business license; and
- In operation for at least 2 years.

As low as  
4% p.a. on yearly  
reducing balances

Automation  
financing up to  
10 years

Financing up to  
90% of  
Automation costs

#### SOFT LOAN SCHEME FOR AUTOMATION AND MODERNISATION

Be ahead of your competitors by upgrading and automating your production line!

At MIDF, we provide financial assistance for manufacturers to upgrade and automate their production lines at low cost. MIDF also provides a comprehensive financial advisory and services from investment banking, development finance, asset management and mezzanine financing.

**midf**

Malaysian Industrial Development Finance Berhad (MIDF)  
Level 21, Menara MIDF, 82 Jalan Raja Chulan, 50200 Kuala Lumpur, MALAYSIA  
Telephone: 03-2173 8888 Facsimile: 03-2173 8877  
[www.midf.com.my](http://www.midf.com.my)





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24 May 2018  
Thursday

PWTC, Level 2,  
Bilik Johor/ Kedah

AFTERNOON SESSION: 14:00 - 17:00

14:00 - 14:30 : Registration

14:30 -  
15:00

### Mitsubishi Electric – Intelligent Robots for Smart Manufacturing

From simple pick-and place-applications, to complex assembly tasks, Mitsubishi Electric industrial robots are equipped with class-leading speed and precision. Coupled with intelligent options like 3D vision, force sensing, seamless PLC and motion control integration, and the ability to operate in “collaborative applications”, Mitsubishi Electric has the robots required for today's demanding manufacturing applications.

Come and join us in this session to find out how you can upgrade and automate your manufacturing processes.



SPEAKER  
**Mr. Royston Kwik,**  
Sales Engineer  
(Mitsubishi Electric  
Asia Pte Ltd)

15:00 -  
15:30

### Collaborative Robots – Your Co-Workers at Work

Join us at Universal Robots (UR) seminar to learn how you can overcome manufacturing challenges in your businesses with collaborative robots (cobots). Reap more returns by deploying cobots, which optimises your processes, increases efficiency and productivity as well as improves how the way your employees work.



SPEAKER  
**Ix Lee,** Regional  
Sales Development  
Manager  
(Universal Robots)

15:30 -  
16:00

### Automation of Intralogistics

Using collaborative mobile robots is a relatively new way of automating intralogistics. Inhouse transportation tasks are often still done manually by humans spending valuable time pushing carts from A to B. With the autonomous mobile cobots from market leader MiR these tasks can be automated in a simple, efficient, and cost-effective way.



SPEAKER  
**Marck Madsen,**  
Area Sales Manager  
(Mobile Industrial  
Robots Pte Ltd &  
EPCO Precision  
Sdn Bhd)

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# REJECT GOODS

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Autonomous Engineering with MAGMA  
eliminates root causes for defects and  
secures a smooth production.

made by **MAGMA**

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25 May 2018  
Friday

PWTC, Level 2,  
Bilik Johor/ Kedah

MORNING SESSION: 10:00 - 13:00

10:00 - 10:30 : Registration

10:30 -  
11:00

### Smart Machine Smart Automation – Next-generation Industrial Transport Solutions

Next generation industrial transport technology delivers key advantages for advanced manufacturing solutions. The flexible, independently controlled shuttles on electromagnetic drive conveyors and high speed diverter technology make production more efficient while simultaneously improving product quality. Make your line more economic and effective at any volume – from mass production down to batch size one

- Smarter, more integration and smaller footprint production floor
- High Availability, Ultimate boosts your overall equipment effectiveness (OEE) and accelerate faster in return of investment (ROI)



SPEAKER  
**Mark Meng,**  
Managing Director  
(B&R Southeast Asia)

11:00 -  
11:30

### Innovative Solutions Improving Additive Manufacturing Productivity and Quality

High-end Additive Manufacturing (AM) relies on perfect gas composition to generate functional parts with complex shapes and structures. Linde provides innovative gas solutions for the industry along the entire value chain from powder production all the way to post treatment with Linde ADDvance™ O2 precision device, Powder Cabinet and CRYOCLOEAN™ Snow (AM).



SPEAKER  
**Diganta Sarma,**  
Head of Application  
Technology & Market  
Development Linde –  
South Asia & ASEAN  
Region (Linde)

11:30 -  
12:00

### How Digitalization can affect the Future of Manufacturing

Customers today are facing multiple business challenges. The introduction of Additive Manufacturing (AM) will open up new products and business opportunities. This will lead to a profound and necessary transformation of organizations to successfully implement Additive Manufacturing and initiate disruptive changes. EOS will share more about AM changing current manufacturing and how EOS is working toward industry 4.0 with industrial players.



SPEAKER  
**Gerald Wong,**  
Technical Marketing  
Specialist, EOS –  
Electro Optical Systems  
(EOS Singapore  
Pte Ltd & Positive  
Yield Sdn Bhd)

12:00 -  
12:30

### Machining of Modern Material

Workpiece material is one crucial factor in metal cutting industry. The presentation will discuss on the trend and demand of workpiece material, the machining characteristic and machinability of the modern material, as well as the change of needs for the people in the metal cutting world.



SPEAKER  
**Katherine Chuah**  
(Seco Tools Sdn Bhd)

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25 May 2018  
Friday

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AFTERNOON SESSION: 14:00 - 17:00

14:00 - 14:30 : Registration

14:30 -  
15:00

### Structural Life Enhancement on Welded Component using High Frequency Mechanical Impact (HFMI) Treatment: An Overview, Current Research and Application

Fatigue Failure in welded structures continues to be topic deserving wide focus due to its contributions to loss of life and substantial costs each year all over the world. The determination of the fatigue life cycle of particular welded structures has led to the invention and development of various structural life enhancement methods. The past decade has seen a remarkable development in the High Frequency Mechanical Impact (HFMI) treatment method as a reliable, effective and user-friendly method for post-weld fatigue life enhancement.



SPEAKER  
**Dr. Yupiter HP Manurung,**  
Director of Advanced  
Manufacturing  
Technology  
Excellence Centre  
(AMTE) & Associate  
Professor, Faculty of  
Mechanical  
Engineering  
(Universiti Teknologi  
MARA (UiTM))

15:00 -  
15:30

### Code Compliance of Locally intensified Welding, Weld on Weld and Proximity, in Offshore Oil and Gas Structure

Most welding design codes require a minimum desistance for adjacent welds. However, sometime in the fabrication stage due to some limitations the minimum distance between two adjacent welds, is not practiced. In the absence of justifications by the codes the is an area of need to comprehensively explore the effect of this practice in key mechanical properties. This will enables the operators for an informed decision in regards to the soundness and integrity of the joint.



SPEAKER  
**Dr. Hamed Mohebbi,**  
Senior Welding  
Engineer through  
Japan Welding  
Engineering  
Society (JWES),  
Materials and  
Corrosion Specialist in  
prominent Oil and Gas  
companies such as  
Petronas, Perenco  
UK, Subsea 7

15:30 -  
16:00

### Disruptive Technology: Application of Magnetically Impelled Arc Butt (MIAB) in the oil and gas industry in sustaining the new normal of low petrochemical prices (with case study)

Nowadays, tubes and pipes continue to become more and more important in a range of industries such as the oil and gas, water treatment and the automotive industry. Tubes provide light weight, excellent rigidity, and low cost while steel pipes are still a popular choice for fluid transportation. In particular, tubular components have become more sophisticated, and often require a special weld joint in their construction. Tubular joints represent an ideal application for Magnetically Impelled Arc Butt (MIAB) welding, since the tube geometry plays a significant role in controlling the arc path, which promotes uniform heating of the joint. This process relies on very complex interactions between the arc, magnetic field and upsetting force. MIAB is a highly efficient energy-saving process of welding, assuring the quality of its weld. Often deemed as a revolutionary welding process due its favourable advantages such as time saving of up to 90%, no filler material, less defects compared to fusion welding process and many others, This presentation explores the possibility to a wider range of applications in the oil and gas industry with specific case studies.



SPEAKER  
**Mohamed Ackiel Mohamed,**  
Vice President,  
Special Projects  
(Serba Dinamik  
Group Berhad)

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## INDUSTRY SEMINAR OUTLINE

**METALTECH**  
Advanced  
Manufacturing &  
Production Solution

**autoMEX**  
Smart Manufacturing  
with Automated  
System Integration  
& Process Control

### Scope of Topics

Industry 4.0 (i4.0)

Industrial Internet of Things (iiOT)

Smart Machine Smart Automation

Artificial Intelligent (AI), Machine Learning (ML), Deep learning (DL)

High Mix Low Volume Manufacturing

Robot Automation

Automated System Integration

3D Printing & Additive Manufacturing

Latest Welding Technologies

Metal Additive Manufacturing

Smart Management for Material Handling & Logistic

**Pre-register your visit now on**  
**[www.automex.com.my](http://www.automex.com.my) and [www.metaltech.com.my](http://www.metaltech.com.my)**





# OVERVIEW HALL LAYOUT



## LEGEND



### TUN RAZAK HALL 4

- Precision Tools & Accessories
- Circular Saw, Band Saw & Accessories
- Precision Engineering (Ultra Precision Machining)
- Moulding & Die-casting
- Metal Joining Technology (Welding, Brazing, Soldering, Sintering & Stitching)
- Automation Technology
- Factory Automation
- Robotics

### MERDEKA HALL 5

- Metrology & Measurement
- Instrumentation & Calibration
- Industrial Supplies
- Safety Products & Equipment
- Marking Products
- Metallurgy Products

### TUN RAZAK HALL 1

### TUN RAZAK HALL 2

- Machine Tools Technology
- Sheet Metal Technology
- Welding Technology

### TUN RAZAK HALL 3

- Hardware & Industrial Supplies
- Tools & Machinery Hardware
- Software & Prototyping Systems
- Surface Finishing & Heat Treatment
- Pneumatic & Hydraulics
- Logistics, Material Handling & Storage Systems
- Pumps & Valves
- Compressors

### HALL 6

- Automation Technology & Equipments
- Electronic Components & Equipment
- Process Control & Systems
- Robotics

LOOK FOR US AT  
**HALL 5  
MERDEKA  
HALL**

**METALLURGY**  
INTERNATIONAL HUB

## METALLURGICAL TECHNOLOGY & EQUIPMENT

The Metallurgy Industry is one of Malaysia's foothold not just for the manufacturing sector but also for the country's economy. A whole range of Industries such as automotive, aviation, infrastructure, sheet metal processes, machine tools, building & construction, power, agriculture, railways, engineering, oil and gas, defence, R&D, transport and many more are directly dependent on it.

The Metallurgy International Hub will showcase a wide range of metallurgical technologies and processes including:

- Metal Casting
- Metal Forging
- Laser Cladding
- Metal Extrusion
- Sintering
- Heat Treatment processes
- Electro-plating
- Thermal Spraying
- Metallography & Crystallography
- Powder Metallurgy
- Smelting technology
- Processing equipment of metallurgical raw materials
- Non-Ferrous Metals
- Foundry
- Industrial Furnaces

*\*Space Reservation applies only for International Companies.*



## ADVANCED PRECISION MACHINING TECHNOLOGIES

Precision Engineering Asia (P.E.A) is a unique, an essential component for numerous high-profile manufacturing sectors such as electronics, marines, aerospace, oil & gas, and medical devices industries. It enables businesses to design and build the tiniest microprocessors, state-of-the-art aircraft systems, cutting-edge medical devices and the most heavy-duty oil industry drill bits.

P.E.A provides an all new and unique business platform in Malaysia to showcase the latest precision technology products to local manufacturers.

The Precision Engineering Asia Pavilion showcase a wide range of Advanced Precision Machining & Micromachining including:

- Ultra-Precision Machining & Parts
- Profile Grinding Machines
- Wire Electrical Discharge Machine (EDM)
- Precision Tooling
- Diamond Tooling
- Carbide Tooling
- Precision Polishing
- Ceramic Mold Components
- Single Point Diamond Turning
- Electro-mechanical System Integration
- Die-cast, Jigs & Fixture Parts
- Precision Laser Marker
- Complex Machining Parts
- CNC Turned Parts

LOOK FOR US AT  
**HALL 4  
TUN RAZAK  
HALL**



## METALTECH HIGHLIGHT:

# END-TO-END SOLUTIONS IN SMARTPHONE MANUFACTURING PROCESSES

For the first time, we're giving all attendees of METALTECH the chance to learn SMART MANUFACTURING processes through these live product demonstration. Our first demonstration – "End-to-End Solutions in Smartphone Manufacturing Processes"- will show how Precision Engineering, Collaborative Robots, and Artificial Intelligence (AI) are enabling breakthroughs in smartphone manufacturing.

**Visit Us At Hall 4, Level 4**



## 1 RA MACHINERY SDN BHD

RA Machinery specialize in dealing with world renowned brands of machine tools and precision equipment.



### Glass Engraving Machine - B-700/2C

- Gantry structure design
- Marble bed for stability
- Automatic Loading Arm
- Positioning Fixture
- Small Pitch Screw
- Dynamic balance testing for key parts such as spindle
- Integral Touch Screen
- Advanced equipment and experienced personnel for QC



## 2 DREAM TECHNOLOGY SYSTEM SDN BHD

DTS provides complete Product Lifecycle Management (PLM) solutions in software, consulting, services and professional technical training.



### Zortrax M300

The build volume of 300x300x300 mm (11.8x11.8x11.8 in) and resolution range of 140-300 microns helps you realize even the biggest projects, effortlessly.

The M300 took what's best of the valued by thousands of users Zortrax M200, including the widely tested single extruder system and platform autocalibration option.

The Zortrax M300 features stand for reliability, precise repeatability and dimensional accuracy, which are now enlarged to give you the possibility of unlimited ideas.



## 3 HIWIN SINGAPORE PTE LTD

Hiwin Technologies Corporation is professionally engaged in the innovation and the manufacturing of ballscrew and motion control components and subsystems.

### Articulated Robot - RA605

The RA605 articulated robot is a compact and agile 6-axis jointed-arm robot for precise assembly, part transfer and workpiece loading/unloading. Applications for the articulated robot include pick-and-place, handling, assembly, deburring, grinding, polishing and many more. With a 5kg payload capability, this robot is perfect for small and delicate components and product handling; while still being able to perform different types of tasks with different tools attached to it.



### SCARA - RS406

The RS406 SCARA (Selective compliance assembly robot arm) provides an excellent solution for rapid motion in the horizontal plane for pick-and-place and assembly. SCARA robots are widely used in plastic, automobile, electronics, pharmaceutical and even food industries where fast and precise positioning is essential for maximum productivity. The ability to be wall or floor mounted also grants the SCARA robot more flexibility for greater options.



PRECISION  
ENGINEERING

AUTOMATION

METALWORKING



## 4 MITUTOYO (MALAYSIA) SDN BHD

Mitutoyo is a world-leading company that pursued the development of nanotechnology, diversifying needs of industry and cooperated in the promotion of IoT and automated technologies.



### QV Apex 302

Introducing the Standard CNC Vision Measuring System. The model equipped with the tracking focus function that allows continuous focusing in response to change in workpiece height is also available, achieving improvement in measurement throughput. The QV Apex404 and QV Apex606 X-Axis and Y-Axis drive speeds reach 400 mm/second. This model (PRO type only) can support ISO13060-7:2011 guaranteed accuracy (specifications on request).



## 5 DMC SOLUTION (KL) SDN BHD

DMC Solution is Malaysia's leading industrial automation product and solution provider. Key to our philosophy is co-creation where we help with asset productivity and energy savings.

### SYSTEM INTEGRATOR

**Parker SIEMENS YASKAWA**

**FOXA Electric**

### Total System Integration

The system uses SCADA/HMI System, PLC, AC Inverter and DC Drive, High efficiency AC Motor and DC Motor, Energy Monitoring System and Energy Saving Solution.



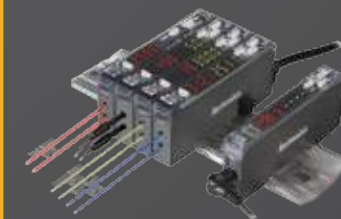
Sensors & Controllers

## 6 MAL AUTONICS SENSOR SDN BHD

Autonics is the leading manufacturer and exporter of sensors, controllers, and measuring instruments. Autonics Malaysia will continue to enhance the productivity of our customers in the aforementioned countries by providing innovative, reliable, and efficient automation solutions.

### AUTONICS FIBRE OPTIC SENSOR - BF5 SERIES

The BF5 series fiber optic amplifiers are available in single and dual display models. The units feature 5 different response speed settings, for flexible and reliable detection of fast moving targets or small objects. With integrated mutual interference prevention, reliable detection is possible with multiple units (up to 8 units) with connection using side connectors. Other features include saturation prevention function, inverted display, and simple sensitivity adjustment settings. Red, green, and blue LED light source models are available for diverse applications.



*\*The product images shown are for illustration purpose only and may not be an exact representation of the product.*





## PLATINUM EVENT SPONSOR



### TAIWAN EXCELLENCE

#### TAIWAN EXCELLENCE

Taiwan took the 4th place in the global machine tool export ranking in the first 10 months of 2017, moving up one notch from a year earlier.

To further develop Taiwan the world's research and manufacturing center for intelligent machinery and related high-end equipment parts and components, the Taiwan government has released a set of blueprints to achieve comprehensive smart manufacturing.

Now, Taiwan Excellence, the highest accolade awarded to Taiwanese products that are outstanding in R&D, design, quality, and marketing, will be present during Metaltech 2018 to showcase and update visitors on some of the award-winning products that are brought in for the exhibition, such as: -

- LV105 Vertical Machining Center by PINNACLE
- Straight Side Double Crank Direct Drive Servo Press by CHIN FONG MACHINE INDUSTRIAL
- Electric Actuator by TOYOROBOT
- SKX COLLET CHUCK by SYIC

*Visit us at Taiwan Pavilions in Hall 1, Hall 3 and Hall 4.*



### TAIWAN EXCELLENCE

## TAIWAN MACHINE TOOLS DRIVE MANUFACTURING EXCELLENCE



Organized by:



Bureau of Foreign Trade, MOEA



Taiwan External Trade Development Council (TAITRA)

In Partnership with:



WELCOME TO VISIT  
**Taiwan Pavilion**  
at Hall 1,3&4

## DIAMOND EVENT SPONSOR



### MALAYSIAN INDUSTRIAL DEVELOPMENT FINANCE (MIDF)

Be one step ahead of your competitors!

MIDF provides financing assistance for manufacturers to upgrade and automate their production lines at low cost as well as to upgrade production capability and capacity.

The Soft Financing Scheme for Automation and Modernization (SFSAM) was allocated under Rancangan Malaysia Ke-11 ("RMK11") as catalyst for the local companies to embrace the industrial revolution; with the main intention to encourage local industries to modernize and to adopt automated equipment and to be less dependence towards labor.



The fund is eligible for financing of new machinery and equipment plus the cost related to the automation investment such as consultancy, training, designing, fabrication and installation.

The financing profit rate is low at 4% per annum at yearly rest for SMEs and 5% per annum for Non-SMEs. The tenure for machinery or equipment financing is up to 10 years inclusive of Grace Period of up to 3 years to ease the burden by the local companies in their automation investment.

## GOLD EVENT SPONSOR



### MONITOR ERP SYSTEM



Monitor is a complete ERP System, designed to increase the operational efficiency of manufacturing companies. Swedish engineers who specialise in the manufacturing sector have been developing it for over 40 years.

Today the system helps several thousand manufacturing companies in 30 countries to better plan their production while keeping a focused eye on maximising production flow and company profitability.

Because we've always focused on ERP solutions for manufacturing companies, we are able to follow a zero customization method when implementing our system. The system is developed in close cooperation with our customers. As a result, MONITOR is both user-friendly and cost effective. Visit us in booth 3707 to find out more.

## AIR COMPRESSOR SPONSOR

SUMBER ENGINEERING  
TRADING (M) SDN BHD



### SUMBER ENGINEERING TRADING (M) SDN BHD

With nearly 40 years of industry presence in Malaysia, SUMBER ENGINEERING TRADING (M) SDN. BHD. is proud to introduce our house brand, One.ki®, catered for compressed air solutions. We ensure that One.ki® products are of high quality, high durability and easy to maintain. Meet our team at Hall 3, Booth 3130, to find out more.



One.ki®  
ROTARY SCREW  
AIR COMPRESSOR



## SEMINAR SPONSOR HIGHLIGHTS



### Industry Seminar Main Sponsors



#### MAGMA ENGINEERING ASIA PACIFIC PTE LTD



MAGMASOFT® is the comprehensive and effective optimization tool for improving metalcasting quality, optimizing process conditions and reducing production costs. Utilizing the methodology of virtual Design of Experiments and Autonomous Optimization, robust process parameters and optimized casting layouts can be established for all cast materials and processes including heat treatment and melt metallurgy. Through Autonomous Engineering, simulations can be used in an automated virtual test plan to pursue quality and cost objectives simultaneously.



#### LINDE MALAYSIA SDN BHD



Linde ADDvance™ O2 precision is the first solution that lets you define the perfect oxygen level for your material and application providing perfect results every time. It uses state-of-the-art engineering to continuously analyze the gas atmosphere in your powder chamber with high precision and without cross-sensitivity. This enables you to choose the perfect atmosphere for any metal and application and guarantees consistent high quality in every single print – with fully unimpaired material properties. Find out more [www.linde.com.my](http://www.linde.com.my) and visit us at Booth #3207.



### Seminar Tea Break Sponsors



#### POSITIVE YIELD SDN BHD



Positive Yield Sdn Bhd is delivery the latest additive manufacturing (AM) technology to industry partners in Malaysia. Current AM technology is transformed from making rapid prototype to series production. Not only shorten the delivery time, AM offer the flexible manufacturability that allow freedom of design for designer to focus on the functionality rather the manufacturability. We also offer the consultation service to help organization to adopt this technology quickly and smoothly.



#### CADVISION SYSTEMS SDN BHD



Improving the exchange of data from design to manufacturing is among the best ways to speed up the delivery of new designs. SOLIDWORKS provides a direct link to all types of manufacturing machinery to get your designs to manufacturing quickly and accurately. Speed up product development, save time, increase productivity, and accelerate your time-to-market by outputting your manufacturing-oriented CAD data directly from SOLIDWORKS 3D CAD software to manufacturing equipment.

## UNIQUE SPONSOR HIGHLIGHTS



### Onsite Visitor Registration Sponsor



#### AKA MACHINE TOOLS SDN BHD



##### i5 Intelligent System

i5 Intelligent machine tools are based on advanced motion control of the underlying technology and network technology, the birth of the Internet based intelligent terminal. Efficient integration of Industry, Information, Internet, Intelligent. To achieve the operation of intelligent, intelligent programming, intelligent maintenance and management of intelligent.

Kindly visit [www.akamachine.com.my](http://www.akamachine.com.my) for more information.



### Lanyard Sponsors



#### AM MACHINERY SDN BHD



##### Durma Fiber Laser Tube Cutting Machine, Model: HD-TC 60170

Laser tube cutting is specifically designed for businesses that care about high quality profile and tube cutting. Full automatic Loading and Unloading requires less effort and time save for the operator.

HD-TC Lasers make differences with speed, high quality components, efficiency and industrial design.



#### DOOSAN MACHINE TOOLS



##### DOOSAN's global standard vertical machining center, DNM series

- A highly versatile DOOSAN's vertical machining center offering the largest machining space in its class
- Standard Direct-Coupled Spindle for Higher Productivity
- An environmental-friendly machine designed for stable and easy operation
- Our dealers: Secure Group #Booth no.2240; Promach Machinery Sdn. Bhd.

## METALTECH PRODUCT HIGHLIGHTS

BOOTH NO.:  
**1210**

#### EASY MACHINES SDN BHD

**FLX Model by EETO Fiber Laser**  
FLX Model - Fully cover protection design with exchangeable table, video cutting monitoring system with IPG Fiber Laser From 1KW - 4KW. Heavy duty structure design with strictly processing method, ensuring long life time and User-friendly operation system with embedded nesting software.



BOOTH NO.:  
**3164**

#### SLS BEARINGS (MALAYSIA) SDN BHD

##### SKF Cooper

SKF acquired Cooper Roller Bearings in 2013. It is now marketed under the name of SKF Cooper. SKF Cooper split bearings are the ideal solution to reduce machinery maintenance and repair downtime. Split bearings disassemble into smaller components easing the tasks of lifting and handling, making mounting or replacement simple even in the most cramped and inaccessible conditions. To find out more, please visit Hall 3 Booth number 3164.





## METALTECH PRODUCT HIGHLIGHTS

BOOTH NO.:  
**2015**



### AKYAPAK MAKINA

#### Akyapak AHS 4 Roll Plate Rolls (AHS 30/150)

Akyapak Machinery offers reliable and excellent solutions for precise and challenging rolling applications. AHS type machines are the most reasonable choice to bend the materials with a plate thickness of 2 mm to 200 mm and with a plate width of 500 mm to 12000 mm. NC and CNC options can be added on AHS type plate rolling machines.

BOOTH NO.:  
**3404**



### CHIN LAI HARDWARE SDN. BHD.

#### JASIC TIG200D

- Inverter IGBT
- Easy arc ignition with high frequency
- Stable arc without spatter and good shaping
- Good arc
- Stiffness and concentrated heat
- Weld with materials such as steel, stainless steel and titanium, copper, nickel and their alloys.

BOOTH NO.:  
**1200**



### FANUC MECHATRONICS (MALAYSIA) SDN BHD

#### α-DiB Series

- High precision milling, drilling and tapping.
- Flexible for all your requirement.
- Fast. Dynamic, Reliable.
- Highest precision; Most efficient machine-hour rate.
- 100% from Japan.

BOOTH NO.:  
**1330**



### BYSTRONIC PTE LTD

#### ByStar Fiber 4020

- Full power: Whatever you cut in the future, the ByStar Fiber provides everything you need
- The highest parts output and premium cutting quality right through to the high range of sheet thicknesses
- A maximum degree of operating convenience and transparent process control thanks to the intuitive ByVisionCutting user interface
- Unrestricted access to the cutting area from the machine's long side

BOOTH NO.:  
**1210**



### EASY MACHINES SDN BHD

#### CNC Model 4HEL by FACCIN S.P.A

CNC Model 4HEL - 4 Rolls Double Pinch Linear Guide Series Synchronized Plate Bending Roll with handling systems specifically designed for high productivity of thin rolled plates.

BOOTH NO.:  
**2180**



### HAAS FACTORY OUTLET A DIVISION OF ROBO CNC SDN BHD

#### HAAS VF-2SS

A strong and rigid machine that can cut so efficiently that it turns steel into butter.

STOP LOSING ORDERS and start making MONEY. Step into a NEW era of HIGH PERFORMANCE machining and LOW COST production. The best machines in the world are the ones that make MONEY.

Make sure you to watch our demo cut at booth (2180).

## METALTECH PRODUCT HIGHLIGHTS

BOOTH NO.:  
**2160**



### HASIL KARYA SDN BHD

#### Fibermak SL-G Force

##### Side Loading Fiber Laser

- Space Optimization - New design of side loading Fibermak SL is a right choice for workshops with limited spaces to fit in, without compromising from standards and quality of Fibermak Momentum Gen-3 G Force.

- High Efficiency - The productivity is increased average 15% per hour by higher acceleration of 2.5G on Servo Motorized Models by Momentum Gen-3 G Force version and consequently the speed and gaining in time is higher.

BOOTH NO.:  
**1138**



### IWATANI MALAYSIA SDN BHD

#### Arc Welding Robot MOTOMAN-AR1440

Arc welding robots are playing a leading role in the automation of automobile manufacturing lines and form part of the foundations of the automobile industry. Yaskawa has developed the ideal robot for arc welding responding to the demands of the automobile industry with the development of the MOTOMAN-AR1440 arc welding robot. This robot achieves increased operating speed, an expanded scope of application and improved user convenience.

BOOTH NO.:  
**1350**



### MAHO MACHINERY SDN BHD

#### Fibre Laser Machine MHL Series

NINGBO GUANGYUAN MAHO MACHINERY is a professional manufacturer of precision CNC bending machine, CNC hydraulic guillotine shears, hydraulic steelworkers, fiber laser cutting machine and sheet metal equipment. Products are exported to Germany, Malaysia, Singapore, Thailand, Philippines, Belgium & other countries. Please feel free to visit our booth #1350 in METALTECH 2018, to have a first-hand experience on our series of world class machines.

BOOTH NO.:  
**3600**



### HITACHI SUNWAY INFORMATION SYSTEMS SDN BHD

Hitachi Sunway is the leading one-stop ICT solutions & services provider in ASEAN with a local presence in 16 locations across 9 countries, supported by 300 workforce and serving more than 1,000 clients. A joint venture company between Hitachi Systems and Sunway Technology - it offers ERP, PLM, Systems Integration, IT Security, Data Centre and Cloud solutions, IT Outsourcing and others. For more information, visit [www.hitachi-sunway-is.com](http://www.hitachi-sunway-is.com)

BOOTH NO.:  
**1150**



### LVD (MALAYSIA) SDN BHD

#### Phoenix FL 6040

LVD is a leading manufacturer of sheet metal working machinery for laser cutting, punch presses, press brakes, guillotine shears and automation systems, integrated with its CADMAN® software suite. LVD Industry 4.0-ready products and technology make "Smart Manufacturing" possible. The Phoenix Fiber Laser is an all-around performer that combines cost efficiency, dynamic laser cutting, advanced automation solutions and LVD's intuitive TOUCH-L Control. Models available could handle sheet lengths of 3, 4 and 6 meters. Learn more about the LVD Phoenix FL and other LVD products by visiting our booth at 1150.

BOOTH NO.:  
**1118**



### MEP SOLUTIONS SDN BHD

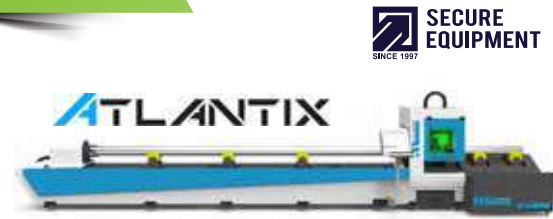
#### Wire Cut EDM model MV1200S

Mitsubishi Electric Launching latest Wire Cut EDM Model which equipped with latest D cubes controller which is much advance and user friendly for current market demand.



## METALTECH PRODUCT HIGHLIGHTS

BOOTH NO.:  
**2240**



### SECURE EQUIPMENT TRADING SDN BHD

#### ATLANTIX (ATF-T6020) Fiber Laser Pipe Cutting Machine

Applicable for metal pipe, square pipe, rectangular pipe & deformed pipe with fast speed and high quality. Smaller cutting gap, lower deformation and perfect cutting edge. Without secondly process, high-accuracy cutting to cut down consumption effectively. Automatically moistening guide rail, both pneumatically back and forward chucks, quickly responding in the corner to improving cutting efficiency tremendously. For more information, visit [secure.net.my](http://secure.net.my)

BOOTH NO.:  
**1288**



### TORNOS MANAGEMENT HOLDING SA

#### Swiss DT 26

The Swiss DT range of Swiss-type lathes is designed to meet the various requirements of typical long and short turned parts for bar size up to 13mm and 25mm.

#### Main advantages :

- Proven kinematics featuring five linear axes and two C axes
- Modular machining area
- Liquid-cooled built-in motorized guide bush with synchronous motor
- Guidebush and Non-guidebush interchangeable

BOOTH NO.:  
**1170**



### SODICK TECHNOLOGY (M) SDN BHD

#### SODICK AL 400G High Performance Wire-cut EDM

Sodick is a leading-edge manufacturer of numerically controlled electric discharge, high speed, 3D metal printing, injection machines. Since the founding of the company, we have continuously worked to enhance processing precision through research into our Sodick special technologies. It is our mission to create machine tools that clients find pleasure in using.

BOOTH NO.:  
**2050**



### ZOLLER MALAYSIA SDN BHD

#### Zoller Venturion 450 Pilot 3.0

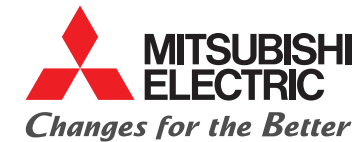
ZOLLER »venturion« tool presetter and measuring machines impress with their unique ergonomics and highest flexibility. With »venturion« you benefit from the highest accuracy and reliability: Machines are based on a compact, specially alloyed and thermally optimized design, which is also extremely robust and work-shop compatible. This base is supplemented by components which rank among the best in the world.

**EASY MACHINES SDN. BHD.** (463660-P)  
No. 12, Jalan TPP 1/10, Taman Perindustrian Puchong, 47100 Puchong, Selangor Darul Ehsan, Malaysia.  
Tel: +603-8068 3109 (Hunting Line) Fax: 603-8061 1914/ 9235 1088

Johor Branch: No 5032, Jalan Kenari 1, Bandar Putra, 81000 Kulai, Johor Darul Takzim, Malaysia.  
Tel: +607-5996388 (No.CBP : 0002 5853 9520)  
Email: sales@ezmesin.com Website: www.ezmesin.com

## AUTOMEX HIGHLIGHTS: INNOVATIVE ROBOT DISPLAY AND DEMONSTRATION

METALTECH's much anticipated sister exhibition, AUTOMEX, is back for another landmark edition of the region's leading Automation and Technology showcase. With hundreds of local and international automation companies from 11 specialised profiles, AUTOMEX will feature a variety of robotics showcases and demonstrations. The three highly progressive companies below have already confirmed their much anticipated robotics showcases during this year's AUTOMEX. Don't miss out on learning the secrets of their robotic applications at HALL 6.



### MITSUBISHI ELECTRIC ASIA PTE LTD

From simple pick-and place-applications, to complex assembly tasks, Mitsubishi Electric industrial robots are equipped with class-leading speed and precision. Coupled with intelligent options like 3D vision, force sensing, seamless PLC integration, and the ability to operate in "collaborative applications", Mitsubishi Electric has the robots required for today's demanding manufacturing applications.



### UNIVERSAL ROBOTS (SINGAPORE) PTE LTD

Universal Robots, the market leader in collaborative robots, are ideal for applications across industries that require six-axis capabilities where size, safety and costs are critical. Weighing 18 kg, UR5 has lifting capacity of 5 kg and working radius of 850 mm. UR10, with a payload of 10 kg and reach of 1,300 mm is just as flexible and easy to fit into processes. UR3 weighs 11 kg with a 3 kg payload. Featuring 360-degree rotation on all wrist joints and infinite rotation on the end joint, UR3 is the most flexible, lightweight table-top robot to work alongside operators today.



### PROFESSIONAL HITECH SDN BHD

Economical, Precision, Speed, Friendly. Epson T3 Robot provide everything you need for your automation process. With the invention of built in controller, it further save up space for your machine design while all the I/O and vision features still in place. Furthermore, Epson is having wide range of robot which cater all your automation needs and handling process.



Epson T3



## AUTOMEX PRODUCT HIGHLIGHTS

BOOTH NO.:  
**6700**



### ABB MALAYSIA SDN BHD

#### YuMi®

YuMi®, the world's first truly collaborative robot, is making collaboration between humans and robots a reality. YuMi includes flexible hands, parts feeding systems, camera-based part location and state-of-the-art robot control. YuMi is changing the way we think about assembly automation. YuMi is "you and me", working together to create endless possibilities.

BOOTH NO.:  
**6800**



### BOSCH REXROTH SDN BHD

#### Connected Manufacturing (Mms4.0)

Bosch Rexroth is a leading supplier and leading user of Industry 4.0. Visit our booth to experience Industry 4.0. A factory in miniature with original industrial standard components which focuses on a product assembly divided into modular stations, completely interconnected, programmable, and extensively secured. Cells can be flexibly added to the system, such as with a 6 axis robot. Plug-and-play concept for immediate use.

BOOTH NO.:  
**6916**



### HMS INDUSTRIAL NETWORKS AB

#### eWon Flexy 205

The eWON Flexy 205 is an advanced internet data gateway that allows Machine Builders to monitor and collect vital KPIs for analysis and predictive maintenance. With data logging, alarming, built-in web interface, scripting and enhanced internet connectivity, the Flexy 205 is a modular Internet Gateway for your IoT deployment.

BOOTH NO.:  
**6802**



### AIMS MOTION TECHNOLOGY SDN BHD

#### SCHNEIDER ELECTRIC – SMART MACHINE SOLUTIONS

As a pioneer in smart automation technologies, Schneider Electric makes it easier for you to offer your customers more flexible machines. Our future-ready machine solutions help quickly and easily adapt machines to changing production and operator needs. So you and your customers can meet continuously evolving market expectations. Both today and tomorrow.

BOOTH NO.:  
**6400**



### DREAM TECHNOLOGY SYSTEM SDN BHD

#### Teamcenter® Software

Teamcenter® software is the world's most widely used Product Lifecycle Management (PLM) system, helping companies manage increasingly complex products, streamline operations and increase productivity. With Teamcenter, it's easier to keep your entire organization on the same page - from product development, to manufacturing, to service and support.

BOOTH NO.:  
**6206**



### MAL-AUTONICS SENSOR SDN BHD

#### AiS Series

The AiS series 2-phase closed loop stepper motor system offers accurate and precise position control through feedback from the integrated encoder without the hassle of tuning and vibration of conventional servo motors. The encoder feedback provides information of the current position in reference to the input pulse with a high resolution of 10,000 pulses per revolution, allowing precise position control down to 0.036 degrees.

## EXHIBITORS' PRODUCT

## HALL 1

**METALTECH**  
24th INTERNATIONAL MACHINE TOOLS AND METALWORKING TECHNOLOGY EXHIBITION



**ABRASIVE ENGINEERING PTE LTD**  
Booth No: 1326

#### LASER MACHINE



**AC MECA (M) SDN BHD**  
Booth No: 1450



**AIR PRODUCTS MALAYSIA SDN BHD**  
Booth No: 1007



**B.H. WELDER & HEATER TECH (M) SDN BHD**  
Booth No: 1012

#### SIEGMUND Welding Tables and Systems



**BERND SIEGMUND GMBH**  
Booth No: 1310

#### Panther Taper Shank Drills



**BIRLA PRECISION TECHNOLOGIES LIMITED**  
Booth No: 1495

#### ByStar Fiber 4020



**BYSTRONIC PTE LTD**  
Booth No: 1330

#### Carbide End Mills, Drills, Reamers



**CHANGZHOU HIBOO TOOLS CO., LTD**  
Booth No: 1488

#### VMU SERIES



**CM MACHINERY SDN BHD**  
Booth No: 1483

#### Automated Storage Retrieval Machine (AS/RS)



**DAIFUKU**  
Booth No: 1100

#### CKS61125D NC BIG LATHE



**DEZHOU PRECISON MACHINE TOOL CO., LTD**  
Booth No: 1481

#### Top 20



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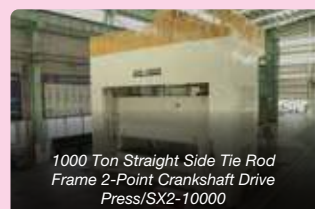
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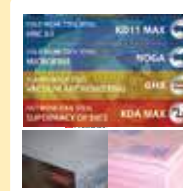
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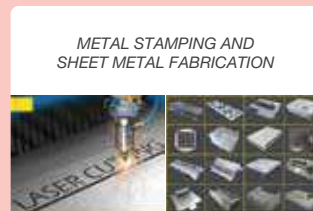
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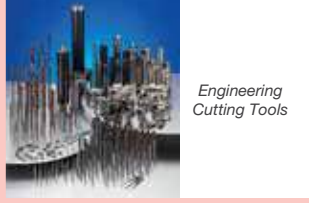
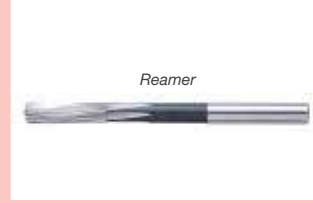
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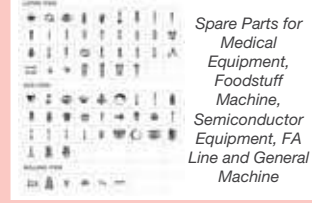
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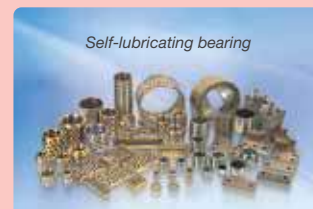
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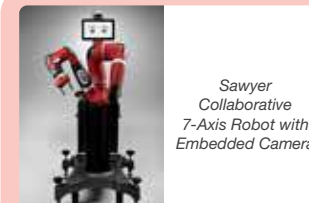
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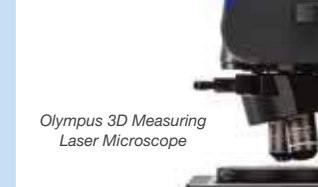
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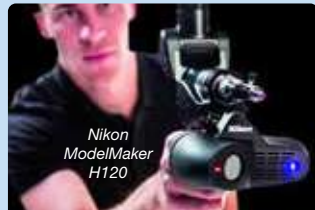
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