

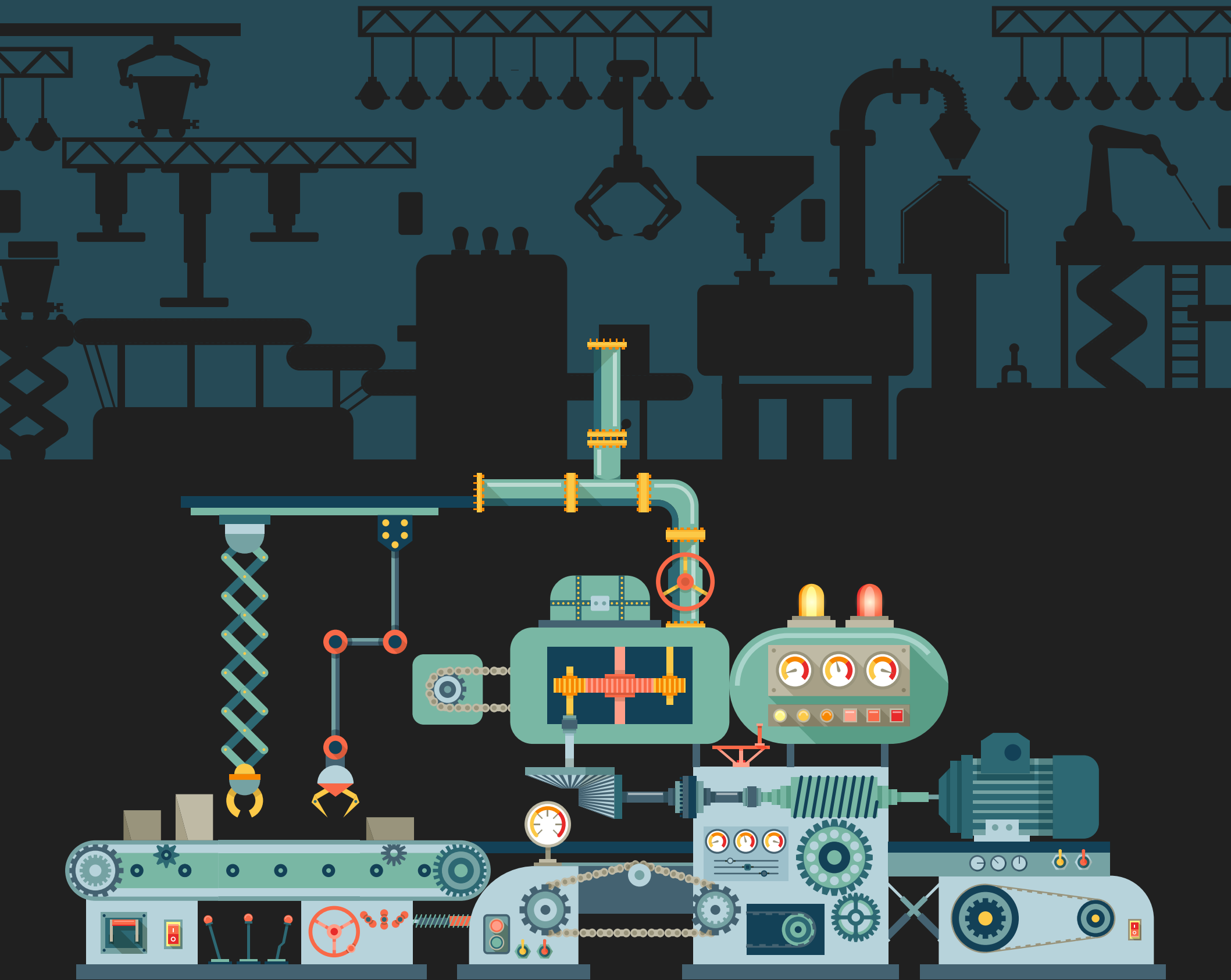
Exclusive From Malaysia

EFM

E-MAGAZINE

ADVANCING BEYOND BOUNDARIES

ISSUE #008



MACHINERY, EQUIPMENT & PARTS

ENSURING A ROBUST SUPPLY CHAIN

CEO's NOTE

Exclusive From Malaysia (EFM), is an initiative by the Malaysia External Trade Development Corporation (MATRADE) to introduce Malaysian companies to foreign importers. This e-magazine is a testament to MATRADE's dedication towards providing information on top-notch Malaysian products and services. The best that Malaysia has to offer.

The tagline, "Advancing Beyond Boundaries" reflects the zeal of Malaysian suppliers to transcend boundaries and their commitment to form a win-win partnership with potential clients.

This time, we feature 16 companies with footprints across the globe; each, prioritising innovation and sustainability as an impetus to progress. Overall, their products and services play a part in ensuring a robust supply chain, balancing flexibility and resiliency with cost-efficiency.

Be it machine vision technology; injection moulding services; diecasting; tools and machine fabrication; or robotics and automation, these one-stop companies have serviced clients, both local and foreign, for decades. Our accomplished manufacturers and comprehensive solution providers will meet your equipment, machinery and parts requirements.

We are confident this edition provides promising business opportunities, and we urge you to contact our globally competitive and renowned suppliers to elevate your business, going forward.



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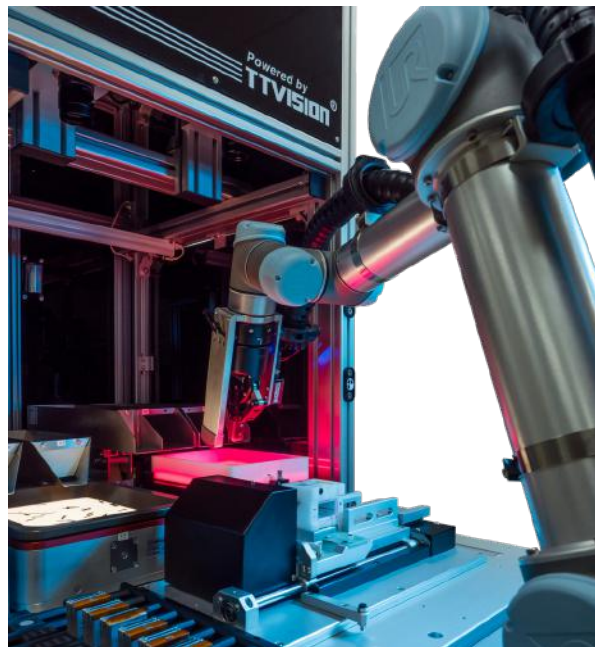
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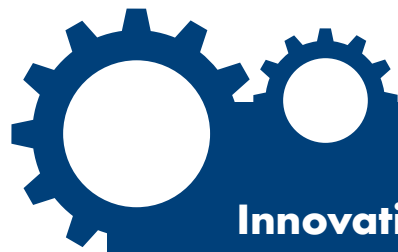
EFM is an exclusive quarterly e-magazine, showcasing world-class Malaysian services and quality products. It is a reference for global partners and buyers who seek to extend their sourcing needs, thus elevating their business potential.

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LIGHTING TECHNOLOGY IN STEP WITH INDUSTRY 4.0



Innovative design and quality engineering catapult TMS LITE into the forefront of new developments in industrial illumination solutions manufacturing.

sorting and laser marking, laser precision cutting, 3D printing capabilities, and much more.

HIGHLY CUSTOMISABLE AND STANDARDS-DRIVEN PRODUCTS

TMS LITE produces a wide range of illuminators, coupled with a variety of controllers and accessories. Creativity teams within TMS LITE have designed more than 450 different illuminators, and 3,800 pieces of custom illuminators to fit various application requirements.

The company has attracted wide acclaim for its own unique approach to product development, integrating three key attributes:

- ▶ Lego and modular concepts which readily transform lighting systems into different formats, increasing usability in multiple settings.
- ▶ Plug and play design which make application set-up simple and efficient.
- ▶ Products ship as a Full Illumination Solution, with kits that include required controllers, brackets and fixtures. Most products come with fitting accessories, mounts and cabling.

TMS LITE illumination products are now marketed to six regions of Malaysia and over 44 countries worldwide.

LEVERAGING ON THE FOURTH INDUSTRIAL REVOLUTION

TMS LITE is strategically positioned at the forefront of a new industrial era that will see the fusion of our biological, digital and physical worlds. Its approach to innovative illumination incorporates emerging technologies like artificial intelligence, machine learning, 3D printing and others.



Modular Illumination System for Machine Vision

Since its inception in 2004, TMS LITE has been an illumination solutions partner in the Machine Vision industry. Based in Penang Malaysia, the company specialises in providing lighting that functions in concert with systems that provide operational guidance to devices which execute their functions based on the capture and processing of images.

Known as a one-stop provider of quality technology, TMS LITE can carry out rapid prototyping on custom illuminators or specially designed lighting according to customer specifications. The firm offers a fully equipped testing laboratory, an intensity measurement machine, LED



Portable Testing Station

At TMS LITE, relationship-based client engagement – always a core competency – has been escalated to now also include virtual one-stop, no-wrong-window customer experience in cyberspace. Its website provides comprehensive information on all products and services, including product descriptions, design specifications, 2D and 3D drawings, datasheets, installation videos and online customisation.

QUALITY SERVICE AND DEPENDABLE RESPONSE

TMS LITE's dedicated team of professionals is committed to good customer service from pre- to post-sales.

The company's easy online inquiry and ordering system, safe packaging and efficient, dependable delivery services have never failed to impress.

Onsite lab analysis and demonstrations are available for a wide range of functions and applications in TMS LITE's three fully-equipped testing facilities. A unique loan programme provides customers with an opportunity to borrow equipment for temporary trials and limited-term needs.

TMS LITE also provides training in specialised areas of machine vision, LED lighting, lenses and cameras to many industries and academic institutions as part of its ongoing commitment to fostering talent development in this fast-emerging engineering and design field.

TMS LITE: "R&D IS OUR FORTÉ"

Throughout every layer of the organisation, TMS LITE is a company committed to high standards. It prioritises collaboration, training and service excellence. It takes pride in its progress and its future plans for the systematisation of online e-services and design.

With a corporate philosophy that embraces best practices and industry progress through education, TMS LITE remains committed to research and development in ways that will see future breakthroughs in new LED lighting.



TMS LITE Training Centre



ACHIEVEMENTS & CERTIFICATIONS

- ▶ 2021 4-Star SCORE Rating by SME Corp
- ▶ 2019 Industrial Excellence Award (Gold – Lighting Category), Institution of Engineering & Technology, IET
- ▶ ISO9001: 2015 (G-CERTI)
- ▶ CE Mark
- ▶ RoHS 2 Directive 2011/65/EUR



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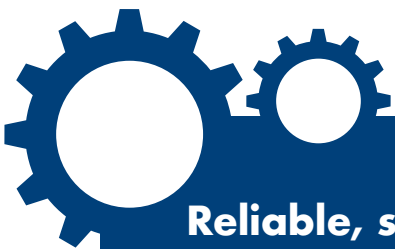
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MCC/Soft Starter & VFD Control Panel

PROTECTING PEOPLE AND ASSETS



Reliable, safe electrical systems paired with trustworthy customer service, TS Electrical takes on the manufacturing of distribution board for various industries.

Since its inception, TS Electrical (TSEM) is dedicated to delivering the highest quality products to its customers by producing reliable and safe electrical systems, paired with trustworthy customer service.

As a Switchboard manufacturer, the company integrates and installs components such as main circuit breaker, residual current devices, and residual current breakers with overcurrent protection, ground leakage protection units, fuses or even bus bar system if required.

Power Distribution is a system consisting of the Main Switch Board (MSB), Sub Switch Boards (SSB), Motor Control Centers (MCC), Control Panels, and Final Distribution Boards (DB). The electrical energy is transmitted via branches to reach the exact end user.

A distribution board is a component of an electrical system. It separates the power supply into several circuits in an enclosure. It provides each circuit with its protection system by using a fuse or circuit breaker.

Its technical team will advise the suitable ingress protection rating, structure of switchboards, and routing of cables according to client and site requirements.

PROMINENT SOLUTIONS

- ▶ **Main Switchboard:** To receive power from the electricity provider and direct to another source
- ▶ **Motor Control Centre:** To receive power, distribute power and control

motors, pump, fan and others from a central location

- ▶ **Control Panel:** To receive power, distribute power and control industrial equipment.

EXTENSIVE EXPERIENCE

TSEM was founded in 2001. However, the founder and managing director has been intimately involved in this industry for over 40 years. Today, the company has extensive experience in Design & Manufacture of Main Switchboards, Motor Control Centers, Control Panels and Metal Enclosures with IEC61439-2 and IEC 60529 ASTA Type Test (UK). If you are looking to outsource your electrical control panel production, look no further than TSEM.

The company serves the manufacturing, infrastructure, power generation and processing sectors. These large sectors also enable TSEM to penetrate various industries such as machinery & equipment, food processing, edible oil processing, water & wastewater, hydro & solar, railway, batching plants, oil & gas, semiconductor, metal & precious metal and many more.



Main Switchboard

FUTURE ASPIRATIONS

While Industry 3.0 stressed the automation of single machines and processes – Industry 4.0 focuses on the end-to-end digitisation of all physical assets and integration into digital ecosystems with value chain partners.

Moving forward, TSEM is embarking on its Industry 4.0 journey to digitalise its essential functions and operations processes further. These developments will fundamentally change how the outfit will provide more value to its expanding client base.



Generator/Turbine Synchronising Panel



CERTIFICATIONS

- ▶ ASTA Full Type Tested to IEC 61439-2 & IEC 60439-1
- ▶ SIRIM QAS Tested IEC 60529 Enclosure to IP 55 & IP 65
- ▶ ISO 9001:2015

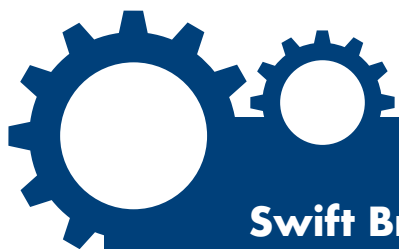


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PRECISION HIGH RADIO FREQUENCY (RF) COAXIAL TEST CABLE SOLUTIONS UP TO 110GHZ



Swift Bridge Technologies has expertise and experience in developing custom cable solutions for the commercial test and measurement market. It specialises in cable solutions for high density board-to-board interconnects, logic analysis, real-time oscilloscopes and 110GHz signal transmission.

Swift Bridge Technologies is a local Malaysian-owned company with experience and expertise in developing custom cable solutions for the commercial test and measurement market. It specialises in coaxial cable solutions for high-density board-to-board interconnects, logic analysis, oscilloscopes (real-time, digital storage, TDR and BERTS), 70 GHz signal transmission, network analysers and custom probe assemblies.

Swift Bridge Technologies provides a complete solution from concept to production whether customers require a customised assembly from 45 GHz to 110 GHz Precision High Radio Frequency Test Cable.

The company utilises SolidWorks in the mechanical design of enclosures and injection moulded components. Ansoft HFSS and Polar modelling software are used in the design of RF



connectors and controlled-impedance PCBs.

Swift Bridge Technologies works closely with customers at all stages of solutioning. Its unique work environment fosters collaborative participation throughout the design process and a seamless transition into production.

INTERNATIONAL DESIGN, MALAYSIAN PRODUCTION QUALITY

The company's Design Office in Portland Oregon USA and its Malaysian Head Offices in George Town Penang (about 350 km north of Kuala Lumpur) work together during the development process to optimise product attributes and use local suppliers to create the best customer value.

Since its inception in 2012, quality has been the foundation upon which Swift Bridge Technologies has built its lasting customer relationships. Pride in providing high-quality products and excellent services is reflected in its Quality Management System and the cycle of continuous improvement for both products and processes. Compliance with strict international manufacturing, safety and product performance standards provide the marketplace with a confident assurance of value.

QUALITY AND COST EFFICIENT CABLE ASSEMBLIES

Swift Bridge Technologies manufactures a range of high-performance interconnect solutions:

- ▶ **ExpressRF™:** This is an economy line geared toward commercial performance, both for inside and out-of-the-box applications.
- ▶ **FastEdge™:** Combining supple feel and industry-leading performance, this product line is intended for testing applications where line flexibility and consistent execution out to 70 GHz are critical. Products are available as 2.92mm, 2.4mm and 1.85mm connectors with moulded flex reliefs that enhance both the appearance and the life expectancy of the item. Assemblies can be colour matched according to customer requirements.
- ▶ **FastEdge™PS:** An armoured version of the FastEdgeHPTM, this assembly can withstand extreme crush forces and can also be customised with a braided textile jacket for consistency with customer brand look-and-feel.
- ▶ **DuraWave™PS:** This family of products was developed specifically for the outdoor hand-held market where RF performance is a must, regardless of weather conditions. The connectors (both male and female) include N, 7/16, TNC, DIN 9.5mm, and Precision SMA.

PRODUCTS POSITIONED FOR INDUSTRY 4.0

The range, quality and dependability of the product line offered by Swift Bridge Technologies are consistent with demands for the testing, measurement and operation of equipment and systems emerging as part of the Fourth Industrial Revolution.

An example is the **DuraWave™PS**, a 110 GHz High Precision RF Test Cable assembly to support 5G B2B test solutions, introduced at the 2018 DesignCon, in Santa Clara USA. Until now, there is no similar product found in Malaysia or elsewhere in Southeast Asia.

It is the company's aspiration to see Malaysian electrical and electronic

products recognised on the frontline of new and exciting inventions powering the world's economic rebound. With confidence in its market vision and manufacturing excellence, it proudly embraces the MALAYSIA BOLEH ("Malaysia Can!") spirit.



ACHIEVEMENTS & CERTIFICATIONS

- ▶ 2020 Golden Bull Award – Outstanding Innovation Awards
- ▶ 2019 Top 50th Enterprise Awards Malaysia – Rank 28th
- ▶ 2019 SOBA – Best Innovation Awards
- ▶ 2018 Asia Pacific International Keris Awards – Honesty Enterprise Awards
- ▶ 2018 Asia Pacific International Keris Awards – Honesty Entrepreneur Awards
- ▶ 2017 Sin Chew – Sin Chew Business Excellence Awards
- ▶ 2017 AMIA – Asia Most Impactful RF Technology Awards
- ▶ 2017 SME Platinum – SME Innovation Excellence Awards
- ▶ 2016 SME Platinum – SME Rising Star Awards
- ▶ 2015 Pioneer Status – Malaysian Investment Development Authority (MIDA)
- ▶ ISO 9001:2015 (Intertek)
- ▶ IATF 1649:2016 (Intertek)



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CREATING VALUE THROUGH PRECISION DIECASTING, ONE COMPONENT AT A TIME



- ▶ impregnation, tumbling, leak testing, post-fabrication assembly, and other types of secondary processes.

Company headquarters and the casting and machining plant are located in Nilai, Negeri Sembilan. A second production facility, housing plating operations, is in Sungai Buloh, Selangor. Both sites embrace advanced lean manufacturing best practices, stringent quality control standards and 5S management systems to ensure clean, efficient, safe and dependable production.

BROAD INDUSTRY PENETRATION, GLOBAL MARKET REACH, UNIQUE PRODUCT ATTRIBUTES

SDI produces wide-ranging and remarkable products for various industries including consumer electronics, automotive and motorcycle parts, telecommunications, medical devices, oil & gas and lighting assemblies.

In addition to its local leadership as a one-stop location for manufactured diecast products in Malaysia, SDI also exports to China, France, Germany, India, Japan, Mexico, the Netherlands, Singapore, Thailand, the United Kingdom, the USA, and others. With diversity as a core company value, SDI embraces differences in culture, viewpoints and ideas as the basis for communication and workforce collaboration with a worldwide clientele.

Internationally, SDI products stand out from competitors' offerings due to their impeccable fit with industry requirements and quality attributes,



The go-to provider for quality aluminium diecasting services that meet clients' high standards and timetables, while delivering superb value and dependability.

A Malaysian leader since its foundation in 1996, Sena Diecasting Industries (SDI) provides one-stop solutions for all diecasting, precision machining, secondary process and surface treatment services for a wide range of aluminium and other alloy castings. For more than two decades, it has been providing top quality small to large precision components to some of the most famous brand names in the world. Services provided include:

- ▶ high-pressure diecasting;
- ▶ precision CNC machining;
- ▶ nickel, chrome, powder coating and other plating process;

largely as a result of the company's unique customer-centric approach to innovation. The Engineering team incorporates client input and drawings within the design and simulation of casting processes to meet industry specifications and optimise both yield and quality.

At SDI, consumer demand is the driving force for the manufacturing industry and the company works hand in hand with its stakeholders to deliver the products that best meet their needs and preferences. Complex high-pressure diecasting automotive products, for instance, are built to comply with most stringent standards for quality and consistency. Motorcycle parts also catch the eye with high aesthetic quality. Diecast industrial lighting, furniture and fixtures are designed with pressure-tight dimensions and structural requirements in mind.

THE LATEST IN MANUFACTURING TECHNOLOGY

Consumer demand changes rapidly in this field and SDI is at the forefront of adopting new manufacturing technologies to cater to emerging demands. SOLIDWORKS advanced tooling and software systems provide greater accuracy to achieve tighter tolerances and less scrap. Vacuum diecasting technologies are used to improve density and mechanical properties, particularly tensile strength and ductility. Casting X-ray inspection is used to identify voids and porosity, reducing internal stress fractures.

The production plant in Nilai has been upgraded with fully automated robotic high-pressure diecasting and deburring processes which allow for greater quality consistency, reduced labour costs and increased productivity. A new 1000 Ton diecasting machine will be operational by Q1, 2021. And magnesium casting capabilities will also come onstream in 2021, as well.

ONE-STOP CONVENIENCE AND SERVICE QUALITY

SDI has been recognised again and again by customers worldwide for its high quality, best-in-class products and top-flight services. In addition to premium high-pressure diecasting, CNC and conventional machining, a full range of chrome plating, powder coating and other surface finishing services are provided. Chromium plating on both ferrous and non-ferrous products, as well as nickel, zinc, silver gold and hard chrome plating is available.



Stringent production requirements and eye-catching aesthetics



CERTIFICATIONS

- ▶ ISO 9001:2015
- ▶ IATF 16949:2016



SENA GROUP
SINCE 1988

SENA DIECASTING INDUSTRIES SDN BHD

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EFFICIENT POWER DISTRIBUTION SYSTEM WITH MALAYSIAN TOUCH

Furutec continues to innovate in order to meet customers' expectations and trust towards its products



Uncompromising commitment to quality manufacturing and excellence enabled Furutec Electrical to be competitive in the electrical industry.

The rapid pace of urbanisation especially in Southeast Asia and the Middle East is expected to result in an exponential boom in the development of high rise building which translates into higher demand for more and longer busduct systems in new buildings. It also opens up a growing market for addition and alteration of old buildings. Besides, the conventional cable system has largely been replaced by the busduct system due to its wide range of technical advantages and flexibility as compared to the cable system.

Furutec Electrical started to manufacture the busduct systems in Penang, Malaysia since 1995. In 2008, EITA Resources ventured into designing and manufacturing busduct system, and Furutec became a wholly-owned subsidiary of EITA Resources in Malaysia.

EXTENSIVE EXPERIENCE

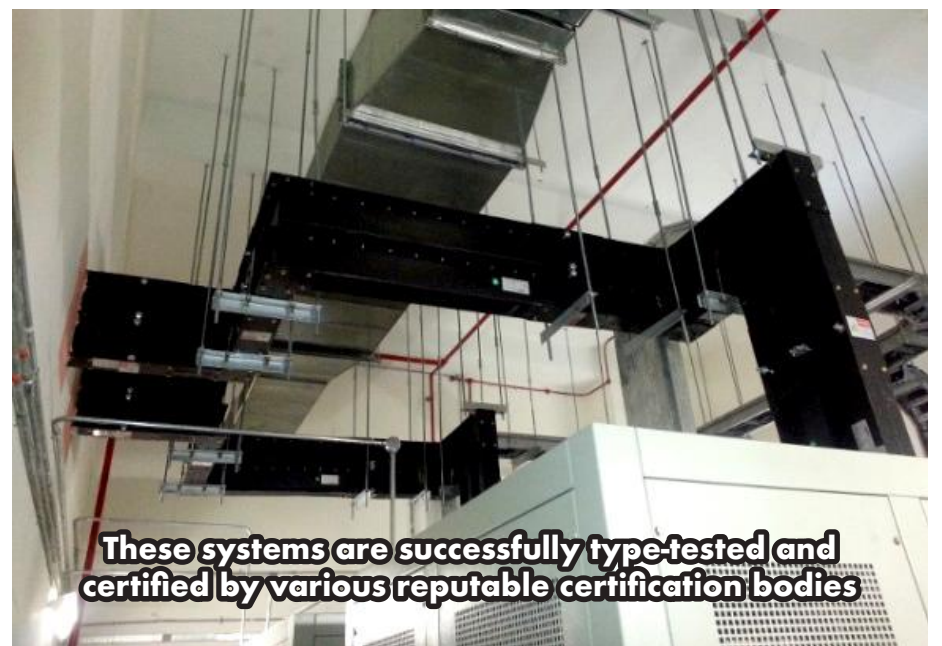
Furutec Busduct System is the result of cumulative years of research and manufacturing experience and meets the high expectations and specification of customers. With the innovation of the R&D team, Furutec busduct systems are successfully type-tested and certified by various reputable certification bodies. It is exported to various markets in the world.

WIDE RANGE OF PRODUCTS

Furutec offers a broad range of busduct systems in various applications and market segments.



Furutec offers a broad range of busduct systems in various applications and market segments



These systems are successfully type-tested and certified by various reputable certification bodies

It consists of three different types namely AH, HP-ES & CR model (ranging from 400A to 6300A for copper and aluminium conductor) catering for various applications such as critical power distribution, outdoor & harsh environment, environmentally-friendly requirement, higher ambient temperature, earthquake resistance, fire resistance and corrosion resistance including low and medium voltage applications.

FUTURE-PROOFING EFFORTS

Having benefitted from more than a decade-long technical collaboration with the Japanese, Furutec is noted for its relentless and uncompromising commitment to quality and excellence as the Japanese manufacturing practice and culture have been firmly embedded into Furutec busduct systems. Today, Furutec has more than 25 years of experience in manufacturing busduct systems that meet international standards.

To meet the high market demand and stay ahead of the competition in today's world market, Furutec continuously puts up a significant investment on the research and development (R&D) and a comprehensive range of test equipment mainly for product's R&D enabling the company to continue to research and verify its product in accordance to the various international standards.



Furutec has more than 25 years of experience in manufacturing busduct systems



ACHIEVEMENTS & CERTIFICATIONS

- ▶ SIRIM Quality Award
- ▶ KEMA KEUR
- ▶ UL Listing
- ▶ ISO 9001:2015
- ▶ Malaysian Brand
- ▶ Malaysia MyHijau Mark
- ▶ Singapore Green Building Product (SGBP)

FURUTEC®
Busduct System

FURUTEC ELECTRICAL SDN BHD

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“PROVIDING ENGINEERING PEACE OF MIND”



Galactic Advance Engineering is a leading systems integrator and systems solution provider in the field of industrial automation.

Galactic Advance Engineering Sdn Bhd (GAE) has for the past two decades been the leading systems integrator of choice and systems solution provider in the field of industrial automation for Siemens Simatic PLC S5, PLC S7, Siemens Drives, Simatic WinCC HMI and others.

The outfit takes pride in being recognised by industry players in delivering to client expectations with unsurpassed speed and efficiency.

Over the years the company has penetrated, from its home ground Malaysia, into many countries in the Southeast Asian region, namely Singapore, Indonesia, Thailand, Vietnam and the Philippines.

GENIE SMART FACTORY

GENiE is a Smart Factory that fulfils your information wishes. GENiE empowers decision making to achieve maximum yield and productivity.

What puts GENiE Smart Factory at the edge is its capability for predictive maintenance using Artificial Intelligence (AI), thus preparing you well in advance before any

unexpected failure takes place. Users are alerted in real-time on the precise predictions via their smart devices.

SAM SMART MAINTENANCE

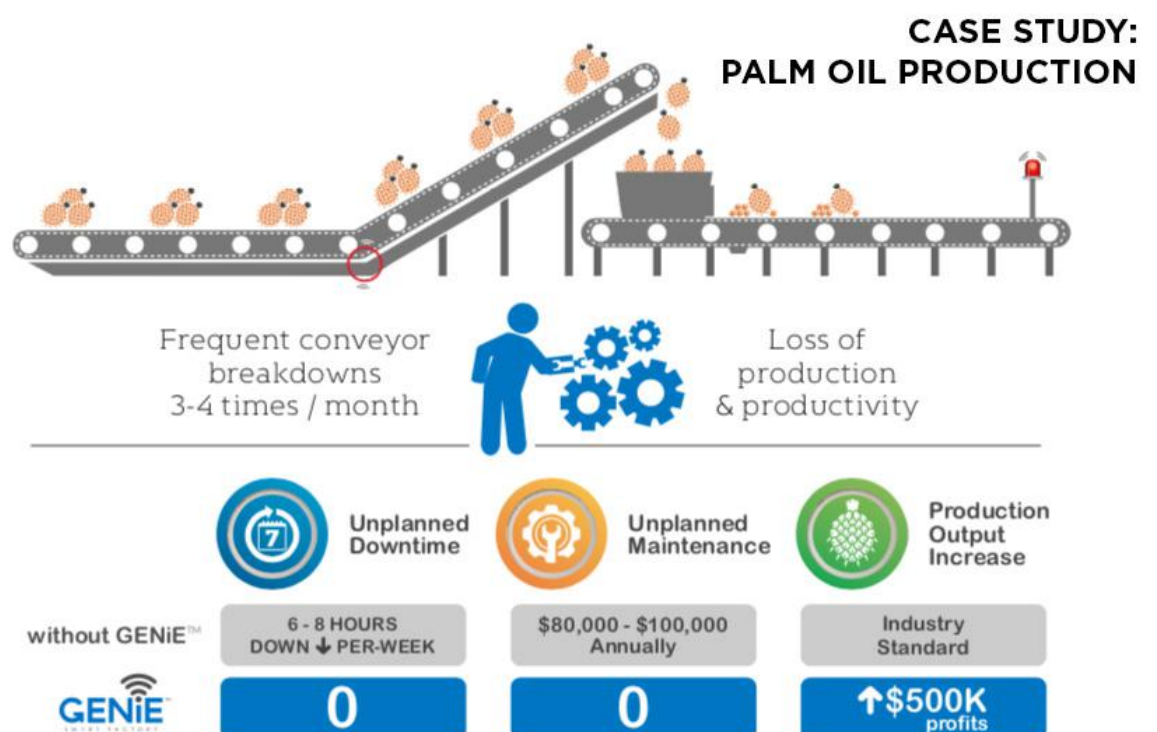
SAM is a digital maintenance solution that will streamline your work order tracking process & optimise the health of all your assets. SAM is predictive maintenance ready. It opens API to integrate with all modern IIoT devices.

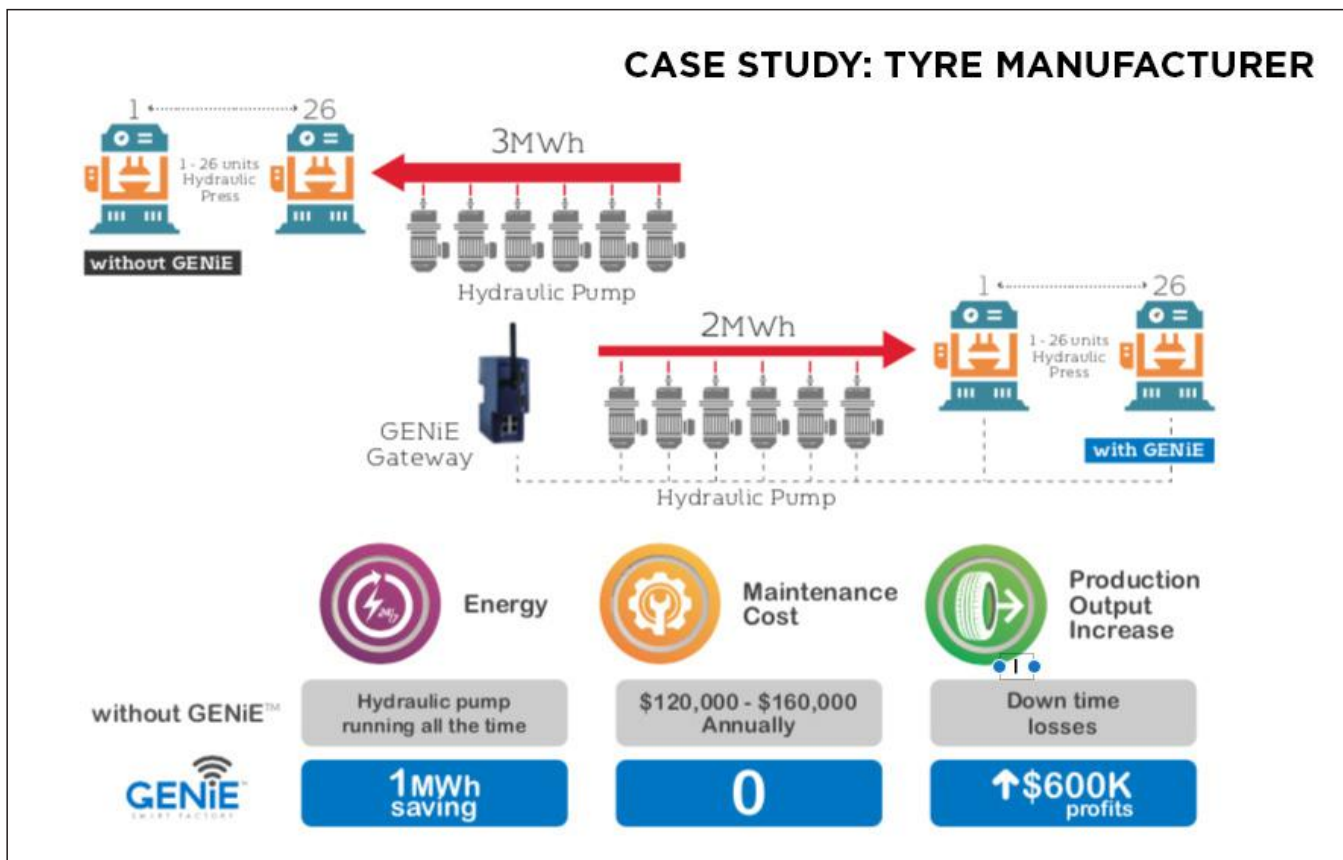
SAM assigns technician automatically based on current workload and alerts you if an asset breaks down too frequently. SAM also provides insightful reporting to view reports in real-time to help one make more precise, data-driven decisions.

SMITH SMART MANUFACTURING

SMITH is an automated shop floor system with WIP tracking dedicated to giving clients more on time and in full order deliveries by optimising machine and material use. SMITH provides total control of the shop floor.

GENiE™ SMART FACTORY CASE STUDIES





time. You can also get insights into your network with protocol analysis & deep packet inspection.

FUTURE ASPIRATIONS

GAE is a company with the future in mind. Galactic Advance Engineering has since 1998 been engaged in the business of finding solutions to the call of the manufacturing industry.

ROBUST ASSET REGISTRY

- Capture every asset right up to its finest details.
- Easily keep track of the health & history of every asset.

WORK FROM ANYWHERE

- SAM is web based & auto resizes to fit your device.
- Turn your smartphone into a mobile office to approve work orders & track employee performance.

SAM is predictive and maintenance ready

GAE is committed to ensuring a future less reliant on depleting energy resources, raw materials and its impact on the environment. Through its Green and Solar Technology, the company continues to drive increased and optimum production levels, reduced cycle time and wastage in its client's industrial processes with the guarantee towards sustainable manufacturing practices.

It integrates sales order, raw material availability, production capacity and machines status to streamline production and track orders from start to end. SMITH works with SAM to track downstream breakdown reports and delays and auto reroute shop floor activity in real-time to meet your customer demands.

SCOTS SMART CYBER OT SECURITY

SCOTS gives clients asset discovery and network visualisation. It also provides vulnerability assessment to know where you are vulnerable and how your assets may be compromised. SCOTS offers ICS risk monitoring by continuously monitoring to improve security posture and meet compliance regulations. It also identifies anomalous and suspicious behaviour and detects threats in real-



ACHIEVEMENTS

- ▶ Platinum Business Award 2019 (Malaysia) – SME Internet of Things
- ▶ Power Brand Awards 2017 – Established Brand
- ▶ Global Business Leadership Award 2017 – Renewable Energy & Energy Savings
- ▶ Star SOBA (Star Outstanding Business Award 2016) – Most Promising Brand (Malaysia)



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Printing Excellence: DPM-K32 – 3rd generation

QUALITY TEXTILE PRINTING TECHNOLOGY



The leading supplier of pre-press screen printing products and digital textile printing machines, A-Tex Worldwide offers a wide product range known for excellent performance, consistent dependability, affordable pricing and exemplary service.

Located in Ulu Tiram, Johor – about 340 km south of Kuala Lumpur, near the border with Singapore – A-Tex Worldwide specialises in the manufacture and distribution of ULTRAJET ink-jet and blu-ray digital technologies for textile printing and textile engraving. Applications include:

- ▶ Reactive digital printing, for natural fibres such as cotton, linen and silk.
- ▶ Acid digital printing, for animal fibres such as wool, silk and nylon.

- ▶ Disperse digital printing, for synthetic fibres, such as polyesters.
- ▶ Pigment digital printing, for all kinds of direct printing to fabric.
- ▶ Dye-sublimation digital printing, on-paper with subsequent transfer to polyester fabric.
- ▶ Decorative digital printing, for miscellaneous decoration. Images printed on paper (special or laminated) and transferred to material.
- ▶ Direct-to-garment (DTG) digital printing, for t-shirts, apparel and garments and cut pieces.
- ▶ Leather digital printing, on all types of leather.
- ▶ Silk screen textile printing, stencilling supported by a porous fabric mesh stretched across a frame, ideally suited for bold and graphic designs.
- ▶ Rotary screen textile printing, printing onto fabric through a cylindrical screen.
- ▶ Graphic, industrial, labelling and porcelain printing.



Flatbed Blu-Ray System Structure

FEATURED PRODUCTS

A-TeX Worldwide designs, develops and manufactures digital print machines and direct laser exposing for pre-processing screen and direct printing under the brand name of ULTRAJET. Products are renowned for their high quality, dependable performance and competitive pricing. Examples include:

- ▶ **Ultrajet Blu-Ray Engraver.** Using Direct Laser Expose (DLE) technology to insert digital artwork on pre-press screens for a range of printing industry applications including textiles, graphics, and industrial printing uses. It is available in several different models, a 450nm laser light source and selection of possible diodes (48pcs, 64pcs and 128pcs).
- ▶ **Ultrajet Digital Printer.** This uses inkjet technology to print directly on textiles and paper materials, mainly for the fabric, transfer paper and soft signage market. Equipped with 4 rows of total 32 print heads, it achieves a print speed of 800m²/hour, with optional connection to a professional dryer, centering guide, batching roll and bridge.
- ▶ **Ultrajet Water Stripping Machine.** This unit uses water cutting technology to reclaim nickel screen. It makes emulsion stripping from

rotary screen assemblies easier, faster and more efficient. Screens last longer and costs are reduced.

A green technology solution, this machine allows industrial printers to eliminate strong acid from the reclamation process.

GLOBAL MARKETING PRESENCE

A-TeX Worldwide products are available in more than 28 countries, throughout the Asia-Pacific, North America, Eastern Europe, Africa, Australia, South and Central America, the Middle East and Southeast Asia.

Active internationally in leading product exhibitions and tradeshow, A-TeX Worldwide is always a "main attraction", generating customer and stakeholder enthusiasm with its colourful, informative booth designs and engaging customer-friendly product demonstrations. In 2019, A-TeX Worldwide was there at the Taiwan-Malaysia Industrial Collaboration Summit in Chinese Taipei and the International Textile Machinery Association (ITMA) in Barcelona. The Marketing team is already gearing up for ITMA2023 (June 8-14) in Milan, Italy.



ACHIEVEMENTS & CERTIFICATIONS

- ▶ Golden Eagle Award 2014
- ▶ ISO 9001:2015
- ▶ ISO 50001:2011
- ▶ CE / TUV / MOST / ECM

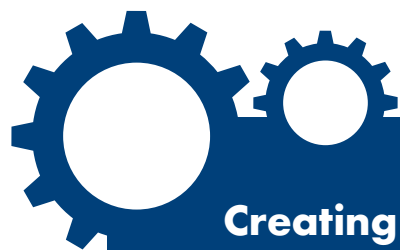


A-TEX WORLDWIDE SDN BHD

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PRECISION IS KEY TO SUCCESS



Creating tools that stand the test of time with cutting-edge technology, H.H. Precision Mould provides one-stop plastic injection mould making services with over 40 years of experience.



Plastic injected parts

In today's economy, companies are looking to reduce costs while adding value and quality to their products. H.H. Precision Mould Sdn Bhd's expertise in adding robotics and automation to plastic injection moulding reduces cost and shortens lead times in the supply chain.

Established in 1970, H.H. Precision Mould is a tool and die pioneer based in Malaysia. The company utilises cutting-edge engineering CAD/CAM/CAE software such as Unigraphics, Autocad, Mastercam and Moldex Mold Flow Analysis.

The company is also the founder and active member of Malaysia Mould and Die Association (MMADA). Its tool centre is located just beside the plastic injection

moulding hub – helping to provide fast repairs and maintenance services with a competitive cost for its clients.

The Malaysian firm also possesses inhouse gas injection moulding technology – helping its clients to solve many of customers' complex moulded product issues.

It builds and manufactures plastic injection moulds and plastic injection moulded parts at its same premise in Shah Alam, Malaysia – thus eliminating additional delays from shipping samples for approval back and forth. Customers are also encouraged to visit the company's premises while their mould or product is being manufactured.

SKILLED TOOLMAKERS

Its experienced toolmakers pride themselves in the art of creating tooling that stands the test of time. Their expertise and processes have led the company to offer the "H.H. Precision Mould In-House Guarantee" – assuring clients that quality is sustained by subjecting moulds to a scheduled maintenance programme. This brand promise ensures:

- ▶ 100% reliability
- ▶ Full warranty of tool life (800,000 cycles for Class A tooling)
- ▶ Documented maintenance log by an individual tool



Plastic injection moulding hub



The company is based in Shah Alam, Malaysia

- ▶ No additional charge for insurance cover for customer tool stored at H.H. Precision Mould premises
- ▶ Fully secured storage

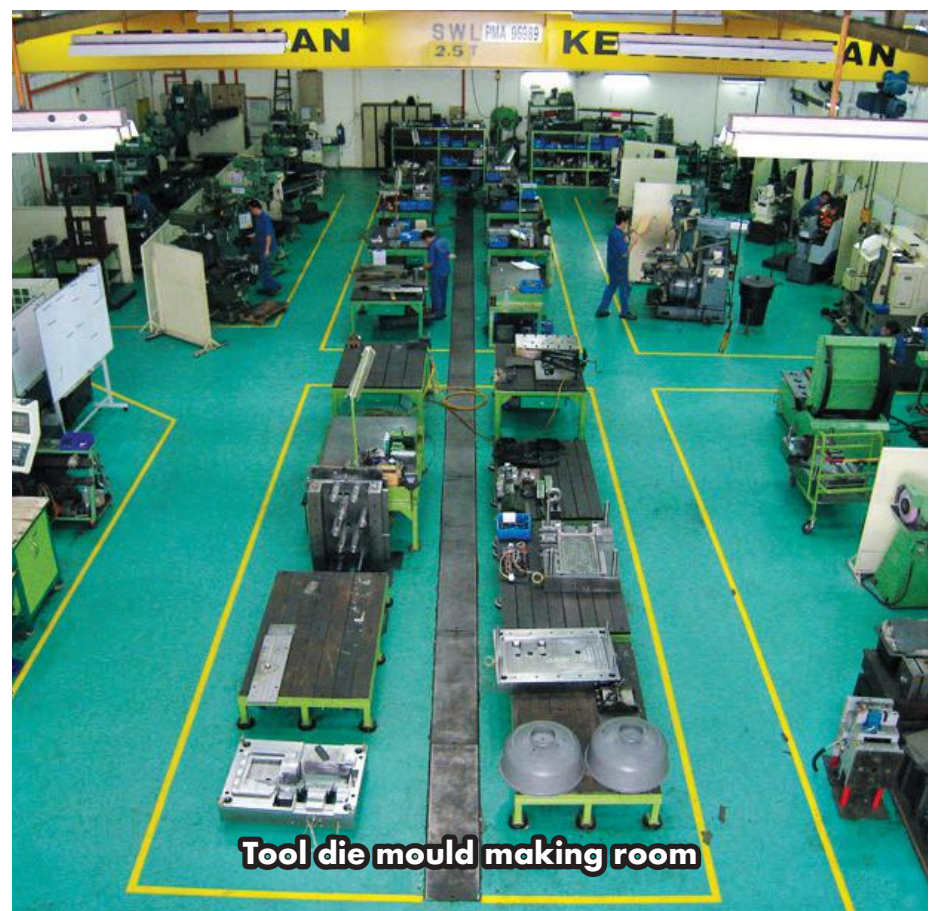
MYRIAD OF SOLUTIONS

H.H. Precision Mould provides one-stop plastic injection mould making services from product design, tool and die fabrication till final assembly and fulfillment. These services include:

- ▶ Consultation services for product design and development
- ▶ Rapid prototyping
- ▶ Mould design
- ▶ Precision tool and die making
- ▶ Precision machining
- ▶ Custom injection moulding
- ▶ Final assembly and fulfillment

GLOBAL OUTLOOK

Almost 70% of H.H. Precision Mould’s customers are outside of Malaysia, its home ground. The company is also the preferred supplier to various esteemed global companies such as Georg Fischer (Switzerland), Brett Martin (United Kingdom), Wavin (Indonesia), American Air Filter AAF (America & Europe), Dux-Aliaxis Group (New Zealand), Panasonic (Japan and Malaysia), Supreme (India), Waterco (Australia), APM (Malaysia), Sanden (Malaysia) and Qatar Plastic Additives Co. (Qatar).



Tool die mould making room



CERTIFICATIONS

- ▶ ISO 9001:2015



H.H. PRECISION MOULD SDN BHD

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Advanced technology solutions for all welding applications

FOCUSED ON EXCELLENCE IN WELDING MACHINERY & EQUIPMENT



With its strong commitment to customer satisfaction and product quality, TSIS Welding Solutions is Malaysia's leading one-stop location for welding technology.

Based in Selangor, Malaysia and established in 2015, TSIS Welding Solutions provides complete welding equipment, machines, services and specialist technical assistance. It also offers R&D capabilities for prototyping and original equipment manufacture (OEM) of systems and components used in other companies' end products.

TSIS Welding Solutions provides a full range of welding equipment and machinery, covering all welding

processes. This includes MIG/MAG, TIG, arc welding, resistance spot welding and plasma welding. Sophisticated automation solutions capable of tackling complex welding tasks complete this premium, high-quality product package.

Whether dealing with manual welding, customers rely on TSIS Welding for an impressive range of total solutions for industrial processes like manual welding, automation and robotic systems, sheet metal product OEM and wire arc additive manufacturing (WAAM).

FRONIUS PERFECT WELDING

TSIS Welding Solutions is the sole distributor of Fronius perfect welding machinery and equipment in the Malaysian region. Fronius International GmbH is an Austrian photovoltaic manufacturer based in Pettnbach, Upper Austria.

Fronius International GmbH is an Austrian photovoltaic manufacturer based in Pettenbach, Upper Austria. Since 1950, Fronius has again and again introduced innovations that have revolutionized the world of welding technology. Today, through its dedicated distribution network partners like TSIS Welding Solutions, it supplies industry with robust, intelligent power sources, highly dynamic wire feeding technology and the most advanced welding torches on the market.

The TPS/i MIG/MAG power source platform, first unveiled in 2013 is a prime example. These individually customizable and upgradeable appliances stand out for their high intelligence and communication capabilities, making them easier to operate, scalable to almost every welding application and able to deliver virtually limitless performance.

FULL-RANGE, ONE-STOP ACCESS TO THE TECHNOLOGY WELDERS NEED

TSIS Welding Solutions is dedicated to remaining the distributor of choice for products essential for welding and industrial automation.

This includes premium equipment like Fronius welding machines and automation systems, as well as consumables like SMAW, MIG, TIG, SAW, brazing rods and welding flux shift the limits of the customer experience journey and gives them optimised solutions to problems in welding and industrial automation.

Maintenance service and support, and accessories such as gloves, hand & head shields, electrode holders, earth clamps, auto-darkening welding helmets, welding tables and clamps, and welding curtains round out the available product package.

CUSTOMER-CENTRIC ORIENTATION

The customer is always the most important element of the business



equation for TSIS Welding Solutions. Customers are always welcome to try out items prior to purchase or to attend demonstrations or welding testing sessions before filling orders. The company maintains a state-of-the-art showroom equipped in collaboration with robotics manufacturers like ABB, Motoman and KUKA.

In addition, there is also a manual welding demonstration area, dedicated to showcasing manual welding innovations for demo sessions or training purposes. Training and discussion rooms are available for welding seminars, special events and product launches of the latest technology as it reaches the market.



CERTIFICATIONS

▶ ISO/IEC 27001:2013 (UKAS)



TSIS Welding Solutions Sdn. Bhd.

TSIS WELDING SOLUTIONS SDN BHD

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SYSTEMS & EQUIPMENT FOR POULTRY, LIVESTOCK INDUSTRIES



High quality- and biosecurity-minded Tong Seh has been exporting its products for over 25 years to Indonesia, Thailand, Philippines, Vietnam, Japan, Africa, Brunei and Bangladesh.

Serving the poultry and livestock industries since 1981, Tong Seh Industries Supply Sdn Bhd (TSIS) manufactures a wide array of products, from replacement parts to equipment and complete systems ranging from semi-automatic to fully automated farm systems.

Working together with its vendors and customers gives TSIS an excellent understanding of the requirements of each and every poultry farmer.

Whether for poultry (chickens, ducks, quails, turkeys) or livestock (rabbits, pigs, cattle), you can rely on TSIS for farm automation.

DURABLE LAYER CAGE SYSTEMS

TSIS layer cage systems are known for their quality and durability in the poultry industry.

Well designed for efficiency and encouraging the birds' natural behaviour, the cages are positioned on hygienic flooring that reduces contact with manure, thus improving biosecurity and minimising exposure to pathogens.

Good manure management reduces flies and odour. With the company's manure belt battery layer cage system, the manure drops onto the manure belt and is frequently transported out of the cage.

Ammonia and fine dust are thus extremely low, ensuring a healthy environment for both the birds and farm-support personnel. TSIS also produces the MBB & NAF layer cage system and A-frame layer cage system.

2-IN-1 START/GROW CAGE SYSTEM

Another TSIS product is the evolutionary start/grow cage system that combines the best of the starter and grower cage

systems to provide a 2-in-1 system for a smoother transition of the chicks' development.

It's specially designed for day-old chicks and up to three months, housing them all under one roof. Optimum use of space means a more economical system with benefits like increased capacity, labour- and feed-saving, less bird mortality, plus easy monitoring and accessibility.

Also available are optional systems and equipment such as PP belt manure removal system, curtain drops and accessories, air exchange heater system, and transfer trolleys.

ENVIRONMENT CONTROL SYSTEMS FOR CLEAN AIR

These powerful yet low energy-consuming TSIS ventilation fans are well suited for tropical climates. Coupled with computerised temperature control, big energy-saving extractor fans are used for tunnel effect to provide free flow of cool, fresh air automatically to the birds.

The ventilation fans are also suitable for cooling assembly halls, warehouses, factories and sports complexes.

TSIS also produces SS gutter and evaporative cooling pads, which are stainless steel gutter systems using the natural effect of evaporation to counter seasonal dips in production caused by heat stress.



FLEXIBLE POULTRY FEEDING & DRINKING SYSTEM

This TSIS chain feeder enables great flexibility in the feeding system as accessories can be added any time according to the needs of poultry farmers. You will also appreciate that all the components are easy to instal.

GROWING TOGETHER WITH INDUSTRY

As global poultry consumption grows, the demand for high-quality poultry industry systems and equipment is set to increase. Commitment to the industry is evident in the company's new manufacturing facility and headquarters located near Malaysia's capital Kuala Lumpur.

TSIS has earned its reputation and very satisfied customers, backed by years of experience of its manufacturing and management teams that are continually designing and developing high-quality products at competitive prices.



TONG SEH INDUSTRIES SUPPLY SDN BHD

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SETTING SIGHTS ON GLOBAL GROWTH



Backed by smart manufacturing technologies, TT Vision specialises in the development of automated machine vision solutions.

TT Vision was founded in 2001 and converted into a public limited company in Malaysia on 2018 under its present name TT Vision Holdings Berhad, an investment holding company whilst its subsidiaries TT Vision, and TT Innovation are mainly involved in the development and manufacturing of machine vision equipment.

IN-HOUSE DEVELOPMENT

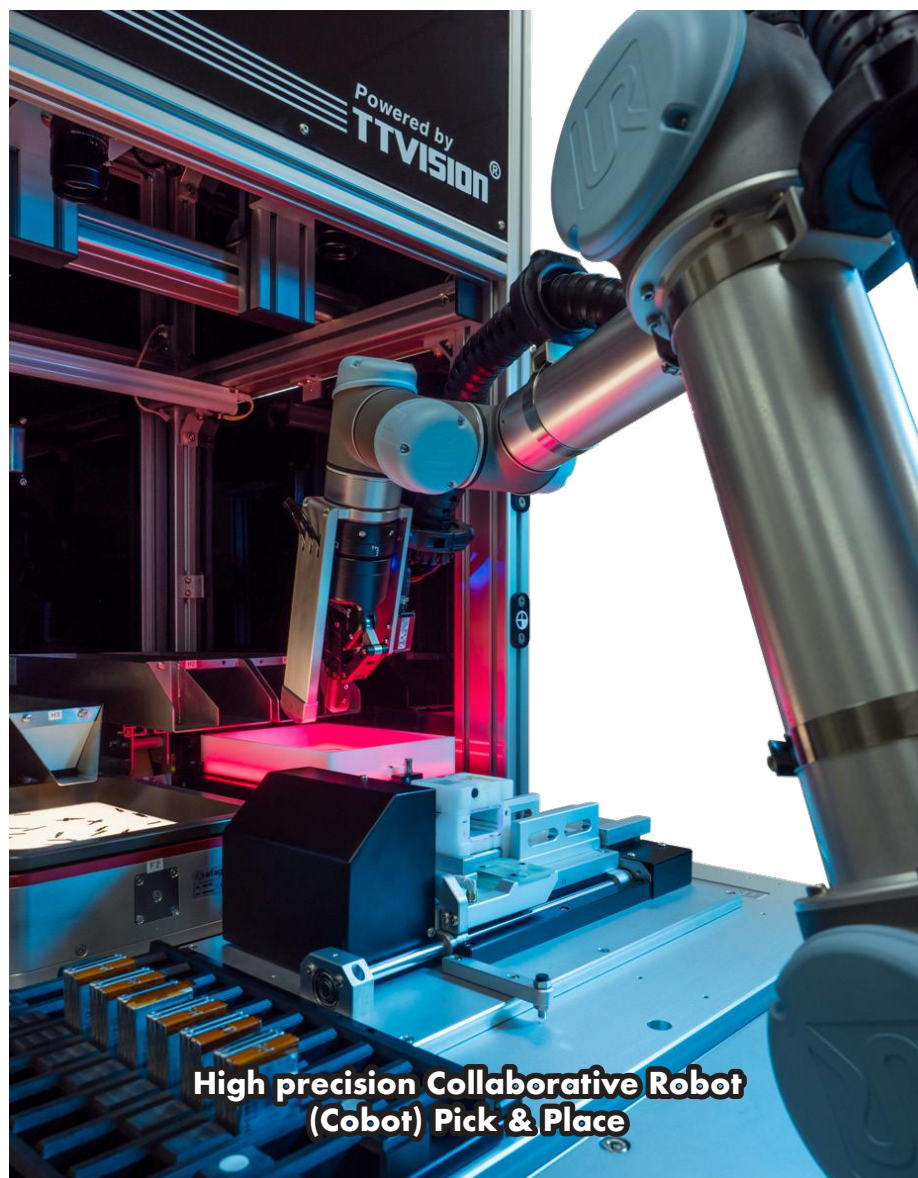
Its machines, which are equipped with the company's own developed vision inspection module, are primarily used to inspect optoelectronics (LEDs), solar wafers and cells, discrete components and ICs (chips) as well as vision-guided robotic solutions.

Additional functions such as reject-handling, testing and sorting are also integrated into some of its machine vision equipment.

CUTTING-EDGE OFFERINGS

TT Vision robotics team conceptualises and builds advanced vision-guided robotic machines for various applications including high precision collaborative robot pick & place, robotic machine tending, collaborative robot spot welding, robotic packing, palletising and fixtureless robot fluid dispensing.

Solutions in smart manufacturing technologies include IoT, simulation and autonomous systems.



High precision Collaborative Robot (Cobot) Pick & Place

Apart from Malaysia, TT Vision also exports its products to other countries, including South Korea, Hong Kong, Germany, China, Philippines, Singapore, Thailand, USA and Japan. The company is also making many efforts to further expanding its global reach. Some of its major products and solutions include:

COLLABORATIVE ROBOT (COBOT) PICK AND PLACE

- ▶ Vision-guided pick & place solution replaces worker to perform a repetitive task.
- ▶ Fully automated part assembly with Universal Robots 5kg payload cobot.
- ▶ Customised end-effector with vacuum pickup. It is equipped with a force-torque sensor for height measurement.
- ▶ Modular system with docking capability, made possible with vision calibration.

- ▶ High-performance flexible component feeder system with an overhead camera to separate bulk parts.

MACHINE TENDING

- ▶ Automated operation of loading and unloading parts for industrial machine using a collaborative robot.
- ▶ Cobot is safe to be deployed in manufacturing plant alongside workers without any enclosure.
- ▶ IoT system enabling remote monitoring and error notification via online.

COBOT FLUID DISPENSING

- ▶ With six axes of movement, the cobot's advantage is to manoeuvre the dispenser head to trace complex part geometries.
- ▶ Cobot allows user to teach the waypoints by manually positioning them. This simple programming step allows quick setup, especially in a high mix environment where changeover is constant.
- ▶ Built-in vision system enables a user to perform dispensing without needing a fixture for positioning the part. The program automatically adjusts the dispensing path to compensate for skew.

ROBOTIC AUTO PACKING

- ▶ Built with high performance and high-speed industrial robot with a unique 10kg payload and 2m reach.
- ▶ Replaces worker to perform tedious packing task and to prevent missing products.
- ▶ The robot arm performs palletising by picking up products and arranging them into boxes in orderly matrix and layers.
- ▶ Built-in camera for vision-guided positioning and automatically captures lot information for tracking and traceability.



ACHIEVEMENTS & CERTIFICATIONS

- ▶ Anugerah Kecemerlangan Industri (Industry Excellence Award) 2009 (Awarded by Ministry of International Trade and Industry)
- ▶ 2009, 4-Star SCORE Rating (Awarded by SME Corp Malaysia & Ministry of International Trade and Industry)
- ▶ 2007 Enterprise 50 (Awarded by Malaysia's SMIDEC)
- ▶ 2006 Deloitte – Technology Fast 500 Asia Pacific 2006
- ▶ ISO 9001:2015
- ▶ I-Inno CERT (Rating-AAA)



TT VISION TECHNOLOGIES SDN BHD

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KEEPING UP TO SPEED WITH TECHNOLOGY



With strong commitment to quality manufacturing and meeting customers' needs, Pacestar Industries provides a full range of solutions, including fabrication and assembly.

Pacestar Industries Sdn Bhd's business was built with a simple mission – that is to meet the needs of its customers, employees, business partners and the community.

Clearly, understanding people – customers, colleagues, communities – and doing what matters to them is at the heart of this company.

Pacestar is a precision-engineered component manufacturer with facilities located in Johor, Selangor and Melaka, Malaysia.

The company believes in a long-term partnership with its customers by providing excellent professional services.



Automation

Pacestar provides an extensive range of manufacturing services to customers, which comprise mainly multinational companies. Its broad range of manufacturing services includes precision metal stamped engineering components, tools & die fabrication, engineering fabrication and the provision of value-added high-quality cosmetic finishing.

Core Services

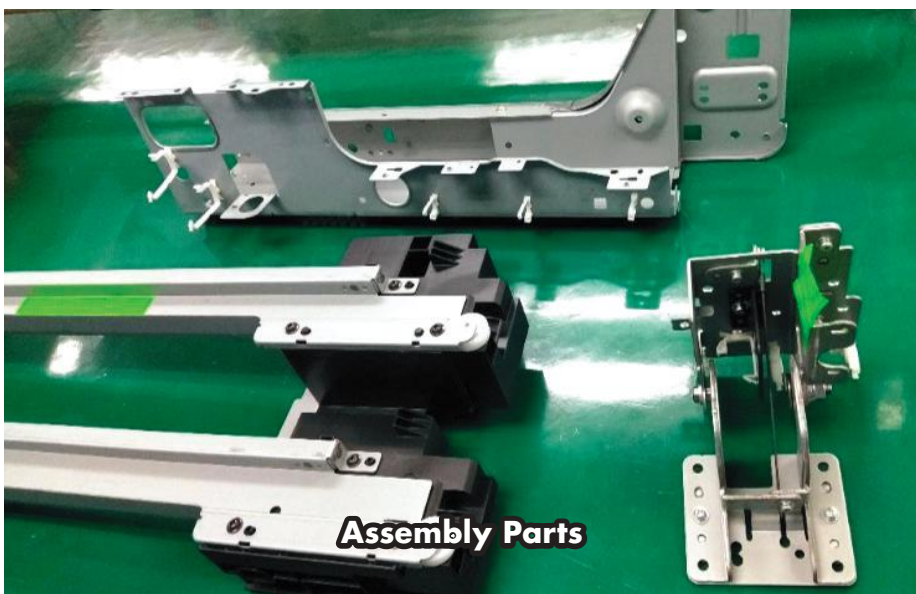
- ▶ Precision Metal Stamping
- ▶ Curtain Coating
- ▶ Silk Screening
- ▶ Plasma Cutting
- ▶ Laser Cut
- ▶ Aluminium Tube Forming
- ▶ Metal Surface Treatment
- ▶ Tool Fabrication & Prototype Sample Making



In-House Tool Room



Metal Stamping



Assembly Parts

a global leader in the manufacturing of metal components and contract manufacturing.

It also aspires to enhance its technology further to provide diverse and reliable manufacturing services and ensure excellent quality products and services at a competitive price towards total customer satisfaction.

Value-Added Services

- ▶ Component Assembly
- ▶ Automation Solutions

Over the years, the company has assisted many clients in churning out products such as:

- ▶ Electrical & electronics components
- ▶ Audiovisual components
- ▶ Automotive parts
- ▶ Office automation and equipment
- ▶ Home appliance parts
- ▶ Imaging parts

ON THE HORIZON

Pacestar has since embarked into further diversification of its platform by venturing into automation solutions for industries such as automotive, aerospace, energy, telecommunication and oil & gas. The outfit aspires to be



ACHIEVEMENTS & CERTIFICATIONS

- ▶ 50 Enterprise Award (SME Corp Malaysia, Deloitte)
- ▶ SME Best Brand Award 2011 (BrandLaurette, Malaysia)
- ▶ Asia Pacific Entrepreneur Excellence Award 2012
- ▶ Golden Bull Award 2007
- ▶ Sharp Excellence Vendor Award 2015
- ▶ ISO 9001
- ▶ ISO 14001
- ▶ IATD 16949



PACESTAR

PACESTAR INDUSTRIES (SELANGOR) SDN BHD

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The shop floor housing machines involved in production

“CUSTOMER EXPECTATION IS OUR UTMOST PRIORITY”



Curge Advance is a trusted supplier of aerospace parts, oil & gas components and machinery to major companies worldwide, and provides R&D services for the IoT and aerospace industries.

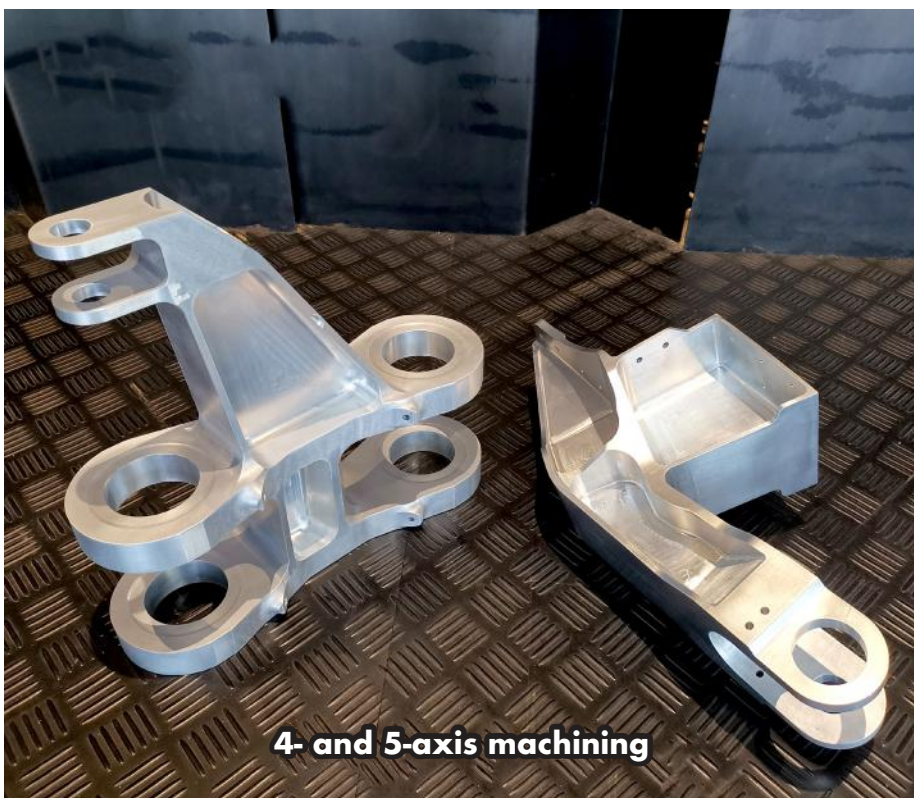
Exports are one of the best tests of quality in today's global market. The calibre of Curge Advance Sdn Bhd's products and services has already secured its position as a capable and trusted supplier to major original equipment manufacturer (OEM) companies worldwide.

In taking another great leap forward, it is poised to combine high-technology precision manufacturing skill set with the latest Industry 4.0 solutions to manufacture products of the highest global quality standards.

CORE COMPETENCIES, PRODUCTS, SERVICES

Curge Advance's main focused industries include oil & gas (energy), aerospace and machinery.

It has core competency and experience in metallic multi-axis machining of soft and hard metals; assembly of complete modules; and design and build of jigs and fixtures for aerospace manufacturing and aerospace maintenance, repair and operations (MRO).



4- and 5-axis machining



Machined components and sub-assemblies



Precision machining



Oil & gas valve components

Curge Advance is also recognised for its engineering services such as turnkey project management for projects that require coordination work of multi-vendors of multi-sites with various competencies.

For the aerospace industry, it manufactures wing structures, Nacelle parts, engine parts, interior parts and avionics parts.

For the oil & gas industry, it produces valve components and downhole equipment parts.

It also provides R&D services for the aerospace and Internet of Things (IoT) industries.

SPREADING ITS WINGS

Curge Advance was established in 2005 as a provider of innovative and efficient manufacturing solutions, with the certification of EN 9100 Rev. D and ISO 9001:2015.

With more than 15 years of manufacturing experience, it has since 2017 been exporting to Singapore (aerospace products and services), the Philippines (aerospace products), the United States (aerospace products) and Hong Kong (engineering services).



ACHIEVEMENTS & CERTIFICATIONS

- ▶ SME Corp, Malaysia's EPP8 Programme Recipient
- ▶ EN 9100 Rev. D
- ▶ ISO 9001:2015
- ▶ ISO 9100:2018



CURGE ADVANCE SDN BHD

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TXMR's manufacturing facility in Selangor, Malaysia

YOUR GO-TO MECHATRONICS ENGINEERING SOLUTIONS PROVIDER



Providing a complete engineering solution for industries to increase effectiveness & boost productivity performance by utilising smart automation & robotic solution.

TXMR Sdn Bhd focuses on providing mechatronic engineering works that encompass a complete range of robotic and automation engineering solutions for industries.

DIVERSE, HIGH-TECH OFFERINGS

TXMR's products are Integrated Conveyor Automation System (ICAS); Material Handling Equipment (MHE) such as arm manipulator, scissor lifter, conveyor; Integrated Robotic System (IRS); Integrated Vision System (IVS); Automated Storage and Retrieval System (ASRS); Cyber-Physical Management System (CPMS); and Autonomous Mobile Intelligent Robot (AMiR).

It also implements process automation in its products and solutions with main features such as safety and health, reducing human errors, improving product quality, improving process efficiency and output consistency, and ergonomic design and emphasis on eco-innovation and green technology adoption in line with Industry 4.0.

One of TXMR's solutions offers the 4Ds of robotisation which effectively eliminates the dangerous, dirty, difficult and dull tasks at the workplace thereby enhancing worker and workplace safety.

Another product which helps to achieve consistency and precision with minimal dependence on manual labour is the IRS. With IRS, integration between the system and robotic arms enables the robotic system to perform tasks such as the ultrasonic welding process, sealant applicator, heat assembly, welding process and assembling MIG/TIG/ARC as well as laser and deburring process.

SOLUTIONS FOR ALL INDUSTRIES

TXMR provides these services:
Mechanical and Automation Engineering

Design; Simulation; Engineering, Procurement, Construction and Commissioning (EPCC); Automation and Robotics Projects; Engineering and Fabrication (tools, jigs and fixtures, dollies, trolleys, rackings); and R & D.

Although TXMR is involved in the automotive, oil & gas and aerospace industries, its solutions are suitable for all industry types as there is no specific code for specific industry.

TXMR has been exporting to Thailand, Indonesia and other Asean countries for three years now and aims to be a trusted global brand. Currently, it focuses on human sense robotic technology innovation for component manufacturers from Southeast Asia.

Established in 2010, TXMR has been delivering innovative breakthrough solutions that help its clients enhance their work efficiency and productivity. This is consistent with TXMR's "Engineering the Ideas" tagline.



ACHIEVEMENTS & CERTIFICATIONS

- ▶ ADTEC (Technical Advisor Committee)
- ▶ Certificates from UTHM, UMP and UiTM (local universities)
- ▶ CIDB Malaysia (Registration Num: 0120170419SL-187303/Grade: G6)
- ▶ Petronas (licensed under Regulation 3 of the Petroleum regulation for the purpose to supply product/service to oil & gas companies)
- ▶ Petronas Research (appointment for Prototype Development Agreement for Technology Projects)
- ▶ Petronas Research Partner on New Technology Development
- ▶ Readiness Assessment (RA) from Malaysia Productivity Corporation (MPC)
- ▶ SIRIM (participated in SIRIM-FRAUNHOFER Programme)
- ▶ SIRIM IR4.0
- ▶ Sime Darby (Approved Vendor)
- ▶ SME Corp (achieved 4-Star Rating Score)
- ▶ Matrade/SME Bank/TERAJU (completion of Best Exporters Programme)
- ▶ MOGSEC (Finalist Innovation Award on 25-27 Sept 2018 in conjunction with the 4th Malaysia Oil & Gas Services Exhibition and Conference 2018)
- ▶ National Occupation Skills Standards (NOSS)
- ▶ TUV NORD; ISO 9001:2015



TXMR SDN BHD

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STERILISATION SOLUTIONS IN TIMES OF COVID-19



REK Engineering Machinery's sustainable sterilisation solutions are designed to limit the existence of viruses, bacteria and germs and spread of diseases.



EASY WASH bin sanitisation system

Aiming to be a leading player in the hygiene industry, REK Engineering Machinery Sdn Bhd's business objective is to provide comprehensive and customised solutions to ensure public health and safety, especially pertinent now with the COVID-19 pandemic worldwide.

Hosts of viruses, bacteria and germs are transmittable through commonly-touched surfaces, providing the opportunity for REK to market its solutions.



"NETRA" Trolley sanitisation system

PRODUCTS & SERVICES

REK's sterilisation solutions are for sterilising trolleys and hand baskets used in shopping malls, airports, hospitals and medical centres; sterilising toys for pre-schools and kindergartens; and baggage sanitisation.

Currently, REK has two solutions to combat contamination in public spaces. Its Easy Wash is a semi-automated sterilisation and infection control system for sanitary service providers, for example, to sanitise airport baggage.

Its Netra Sterilisation & Disinfection System, which is portable and comes with a revolutionary sterilisation solution, is for sterilising trolleys and baskets as mentioned above.

HOW REK STOPS US CARTING GERMS AROUND

A study has shown that a shopping trolley has 270 times more bacteria than a toilet handle and 361 times more bacteria than a doorknob.

About 75% of the bacteria and germs identified on such trolleys are harmful to humans and associated with skin infections, pneumonia, strep throat, and some are even antibiotic-resistant.



Airport baggage sanitisation system

In fact, the handlebars of supermarket trolleys have been identified as one of the main causes of COVID-19, which makes it even more imperative to prevent the spread of the disease.

These sterilisation systems are the best solution to contain the spread of microorganisms on contact surfaces by efficiently sanitising several carts at a time and in its entirety. Easy Wash and Netra saves time and energy as the employees are not required to clean each cart manually throughout the day.

SOLID BACKGROUND

REK is aware that in reality, we cannot control the existence of viruses, bacteria and germs in mass-used public items. But what we can control is limiting their existence and spread of diseases, and it does that through sterilisation.

Its founder-managing director Elan Tamilan Thanimalai has 15 years' experience in various aspects of the hygiene machine and sanitation machine development industry. He also has a solid background in customised machine build and maintenance, and owns patented rights for two such machines.

FOREIGN MARKETS

REK manufactures hygiene products and fabricates industrial ovens which it supplies locally and overseas to

Thailand, the Philippines and Rentokil Sri Lanka.

It is focused on continuous research, development, marketing and sale of hygiene and sanitisation equipment and devices, and has established strong relationships with vendors and distributors in Malaysia, Thailand, the Philippines, India and Sri Lanka.

Within Asia, REK supplies specialised sterilisation equipment to leading sanitisation service providers in the food hygiene, pharma, industrial and retail areas.

Designed, fabricated and manufactured in Malaysia, all its products and solutions are patented and their designs and safety certified.



Industrial oven, which can be customised for various industries



REK ENGINEERING MACHINERY SDN BHD

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MULTIFACETED LEADER IN ENGINEERING SERVICES, TECHNOLOGY AND EDUCATION & TRAINING



Menara Serba Dinamik in Shah Alam, Selangor, Malaysia

Since its establishment 28 years ago, Serba Dinamik Holdings Berhad (Serba Dinamik Holdings) has established a renowned reputation as an international **total engineering solution and service provider in the Oil and Gas (O&G), water & water treatment, utilities, petrochemicals, Technology & IT Solutions as well as Education & Training.** It began as a maintenance, repair and overhaul service provider for rotating equipment, and was a vendor under PETRONAS from 1997 until 2007.

Fast-forward to 2020, Serba Dinamik became a truly global brand with operational offices in **Malaysia, Indonesia, UAE, Qatar, India and the UK and has presence in 25 countries.** Serba Dinamik has been committed and instrumental in the planning, development and commissioning of the Integrated Energy Hub in Bintulu (BiEH), Pengerang eco-Industrial Park (PeIP)



A global brand, renowned as an international energy services group of companies that provide total engineering solutions to Oil & Gas industries, water & water treatment, utilities and Technology & IT Solutions as well as Education & Training.

and rehabilitation of Teluk Ramunia Yard in Johor, in its endeavour to create and manage efficient industrial ecosystems.

OPERATIONS AND MAINTENANCE (O&M)

Serba Dinamik Group of companies provide O&M services including: (i) operation preparations, such as planning, systems development and training; (ii) consulting on profit optimisation, reliability and safety system enhancement; and (iii) a full spectrum of services for the planning, performance and operation of various maintenance requirements. Advanced big data analytics, root cause analysis and operational fault assessment maximise plant operability, safety management and a higher return on investment.

Areas of O&M specialisation include both **rotating** (pumps, compressors, steam turbines, gas turbine, generators) and **static** (heat exchangers, boilers, unfired pressure vessels, pipeline & piping system cleaning, fabrication and installation), as well as **topside maintenance** (inspection, painting, cleaning, habitat, hydro-blasting), **plant**



maintenance (turn-around & shutdown, control & instrumentation service, mechanical, electrical and plumbing), and **tank maintenance** (fabrication, repair, cleaning and other maintenance are also provided).

Serba Dinamik Integration is the end-to-end systems **integration solution provider** for oil & gas, wastewater treatment, telecommunications and food and beverage systems. It offers services in **automated meter reading, early warning systems, pressure monitoring stations, sludge removal, and cold storage**. The company's 22 years of experience enable it to provide the best solutions to meet unique industrial requirements.

SERVICES DESIGNED FOR INDUSTRY REVOLUTION 4.0

Serba Dinamik provides multi-disciplinary EPCC (Engineering, Procurement, Construction & Commissioning) design and service, particularly for larger-scale projects executed both internationally and locally. Project coordination and monitoring, enabled through ICT services, AI systems, in-house information technology and innovation hub infrastructures allow for fast, cost-effective project management delivered according to the highest quality standards.

A broad range of services cluster largely around specialisation areas in structures, mechanical engineering and piping, and include construction & property development, facility management, green technologies,

ship repair & shipbuilding works, IT telecommunication applications and services infrastructures. Serba Dinamik is active in education and training and a major force in global trading. Serba Dinamik IT Solutions has 5 pillars that add up to its strength in realising the Industry Revolution 4.0 transformation: **Data Centre/Cloud Computing, Finance Technology, Artificial Intelligence, Cybersecurity, and Frontier Technology.**



ACHIEVEMENTS & CERTIFICATIONS

- ▶ 2020: High-Yield and Leveraged Finance (Asia-Pacific Deals of the Year 2020; The Banker)
- ▶ 2020: US\$300 Million Wakala Bil-Istithmar Sukuk (Best New Sukuk; The Asset Asian Awards 2020)
- ▶ 2019: Gold Award for Outstanding Performance in Health, Safety & Environment (COBRA, Contractor Outstanding Behaviour & Recognition Award; PETRONAS Chemicals Ammonia Sdn Bhd)
- ▶ 2019: Best New Sukuk in RM 800 Million Dual Tranch Sukuk (Asset Asian Awards; Asset Publishing & Research Ltd)
- ▶ 2019: World Business Leader Bizz Award; Inspirational Company (World Confederation of Business, San Francisco)
- ▶ 2019: WITSA Merit Award in SMART Maintenance Platforms (World Information Technology & Services Alliance, Global Excellence Awards, Yerevan Armenia)
- ▶ 2019: ASEAN Most Honoured Companies; All-Asia Executive Team Awards (International Investor, Singapore)
- ▶ 2019: 6th Shell Malaysia Safety Awards - Bronze Award in Downstream & Integrated Gas Category: Safety performance for the year 2018 (Serba Dinamik Sdn Bhd)
- ▶ 2018: 1000 High-Growth Companies, Asia-Pacific (Financial Times and Statista)
- ▶ 2018: Forbes Asia's "Best Under a Billion" - The Region's Top 200 Small and Midsize Companies (Forbes Asia)
- ▶ 2018: Malaysia Society for Occupational Safety and Health (MSOSH) Award - Gold 2
- ▶ ISO 45001:2018
- ▶ ISO 9001:2015
- ▶ ISO 14001: 2015



"Think Globally, Act Locally"

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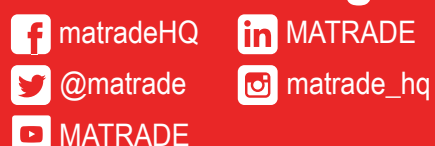
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