

## Job Openings

### **Profile of ASM Pacific Technology Ltd. (ASMPT)**

Listed in Hong Kong since 1989 (HKex Stock Code: 522), ASMPT is a high-tech manufacturer principally engaging in the development, manufacturing and marketing of semiconductor assembly equipment and materials. We are a leading supplier of a full line of assembly and packaging equipment and process solutions for the semiconductor and electronics industries. Through the dedicated efforts of our high calibre team in the past 40 years, we have successfully established a global network of 7 R&D Centres in Hong Kong, Chengdu (China), Singapore (2 Centres), Munich (Germany), Weymouth (UK) and Beuningen (Netherlands) and manufacturing facilities in China, Hong Kong, Singapore, Malaysia and Germany.

Currently, ASMPT is one of the constituent stocks on the Hang Seng HK MidCap Index under the Hang Seng Composite Index, the Hang Seng Information Technology Industry Index, the Hang Seng Hong Kong 35 index and the Hang Seng Global Composite Index.

### **Descriptions of Job Openings**

#### **R&D and Product Development**

<b>Mechanical Engineers</b>	<ul style="list-style-type: none"> <li>• Degree or higher in Mechanical Engineering or relevant disciplines</li> <li>• Working experience in mechanical design preferred</li> <li>• Responsible for designing precision mechanical modules in the application of semiconductor equipment</li> </ul>
<b>Software Engineers</b>	<ul style="list-style-type: none"> <li>• Degree or higher in Computer Science / Engineering / Mathematics / Physics</li> <li>• Proficient in C / C++ and application programming</li> <li>• Good knowledge of multi-threading, object-oriented programming and design patterns</li> <li>• Hands-on experience in developing software in MS Windows, DOS or Linux</li> <li>• Familiar with Operation System Internals is a plus</li> <li>• Responsible for supporting software development for semiconductor equipment automation</li> </ul>
<b>Electronic Engineers</b>	<ul style="list-style-type: none"> <li>• Degree or higher in Computer / Electronic Engineering or relevant disciplines</li> <li>• Proficiency in digital hardware and FPGA programming is essential</li> <li>• Working experience in relevant field preferred</li> <li>• Responsible for supporting advanced digital system circuit design</li> </ul>
<b>Process Engineers</b>	<ul style="list-style-type: none"> <li>• Degree or higher in Applied Physics / Applied Mathematics / Mechanical Engineering or relevant disciplines</li> <li>• Good understanding of DoE, FMECA, statistics and instrumentation; strong in analytical methods</li> <li>• Responsible for developing machine automation, optimization and packaging process, study and refinement including dispensing, bonding and cutting</li> </ul>

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<p><b>Computer Vision Engineers</b></p>	<ul style="list-style-type: none"> <li>• Degree or higher in Engineering or Science disciplines</li> <li>• Good logical thinking and analytical mind</li> <li>• Passion for computer vision research and development</li> <li>• Willing to take up challenges</li> <li>• Responsible for conducting research and development in computer vision technology, advanced vision algorithms and applications for machine automation and visual inspection</li> <li>• Training will be provided to suitable candidates</li> </ul>
<p><b>Embedded Software Engineers</b></p>	<ul style="list-style-type: none"> <li>• Degree or higher in Computer Engineering / Computer Science / Software Engineering / Electronics or relevant disciplines</li> <li>• Knowledge in real time operating system and control strategy</li> <li>• Good knowledge in microcontroller and proficiency in C/C++ &amp; Assembly programming language</li> <li>• Good knowledge in multi-threading and object-oriented programming is an added advantage</li> <li>• Responsible for designing and deploying low level software and firmware for real time embedded control applications</li> <li>• Providing technical expertise and solution to semiconductor equipment products and field for deployment of real time embedded controllers developed</li> </ul>
<p><b>Digital Design Engineers</b></p>	<ul style="list-style-type: none"> <li>• Degree or higher in Electronic/Computer Engineering or relevant disciplines</li> <li>• Good knowledge in digital hardware design &amp; FPGA based system is essential</li> <li>• Applicant with higher qualifications and more qualified experience will be considered as senior position</li> <li>• Responsible for developing and supporting FPGA based circuit design for semiconductor manufacturing equipment in the R&amp;D</li> </ul>
<p><b>Control Engineers (Hong Kong / Singapore)</b></p>	<ul style="list-style-type: none"> <li>• Master's Degree / PhD in Electrical / Mechanical / Mechatronics Engineering with specialization in Control Engineering</li> <li>• Strong control engineering fundamentals in classical and modern control methodologies</li> <li>• Enjoy technical challenge of providing creative solution to complex engineering system</li> <li>• The followings are preferred:             <ul style="list-style-type: none"> <li>○ Proficient in MATLAB, C/C++ and real-time computer system</li> <li>○ Familiar with system analysis and system modelling, particularly mechanical system dynamics, vibration, thermal process, motor, sensors and drive system</li> <li>○ Hands-on familiarity with time domain and frequency domain instrumentation, i.e. scope, dynamic signal analyzers, modal analysis, laser sensors, accelerometer, etc.</li> <li>○ A good hands-on problem solver, with analytical mind and attention to details</li> <li>○ Experience in robust control and adaptive control</li> </ul> </li> <li>• Responsible for system design, system identification and modelling, control algorithm and application, servo tuning, trouble shooting to products and system validation</li> <li>• Fresh graduates with relevant experience are also welcomed</li> <li>• <i>Applicants with higher qualifications and more experience will be considered as senior positions</i></li> </ul>

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<b>Optics Engineers</b>	<ul style="list-style-type: none"> <li>• Degree or above in Optical Engineering or relevant disciplines</li> <li>• Relevant knowledge or experience in Applied Optics, Physical Optics and Laser Measurement</li> <li>• Familiar with using Zemax and Tracepro in optical system design and analysis</li> <li>• Responsible for precision optical system design, imaging and optical inspection technology research and optical instrument development for automatic alignment and inspection</li> </ul>
<b>Sales &amp; Marketing</b>	
<b>Customer Services Engineers</b>	<ul style="list-style-type: none"> <li>• Degree or higher in Electrical / Electronic / Mechanical Engineering or relevant disciplines</li> <li>• Strong interpersonal and communication skills with ability to work independently</li> <li>• Frequent travel worldwide, mainly Greater China and Asian countries</li> <li>• Technical position responsible for semiconductor packaging machineries installation, setting up, repairing and customer training</li> </ul>
<b>Customer Training Engineers</b>	<ul style="list-style-type: none"> <li>• Higher Diploma or above in Electrical / Electronic / Mechanical Engineering or relevant disciplines</li> <li>• Good command of both spoken and written Chinese and English</li> <li>• Good PC skills with MS Office applications</li> <li>• Excellent interpersonal and customer service skills with pleasant and outgoing personality</li> <li>• Self-initiative, good sense of responsibility, mature and able to work independently</li> <li>• Travel to overseas and Mainland China is required</li> <li>• Giving internal service/sales-related training and customer product training</li> <li>• Preparing and developing training programmes</li> <li>• Maintaining training records and generating reports</li> </ul>
<b>Customer Support Engineers</b>	<ul style="list-style-type: none"> <li>• Degree in Mechanical / Electronics / Industrial / Manufacturing Engineering or Logistics &amp; Supply Chain Management</li> <li>• Possess good analytical skills and project management experience</li> <li>• Preferably with 2 years relevant experience in semiconductor industry</li> <li>• Good communication and presentation skill</li> <li>• Working experience in SCM or Project Management is preferred but fresh graduates will also be considered</li> <li>• Responsibilities:                         <ul style="list-style-type: none"> <li>○ Assisting management to drive business plan and forecasting</li> <li>○ Working with various teams (e.g. IT team) to formulate and optimize data analysis and reporting functions</li> <li>○ Tracking and monitoring progress and deliverable in the business unit to ensure fulfilment of KPIs</li> <li>○ Participating in and driving for process and quality improvement</li> <li>○ Preparing spare parts price book and update</li> </ul> </li> </ul>

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<b>Sales Engineers</b>	<ul style="list-style-type: none"> <li>• Degree in Engineering or relevant disciplines</li> <li>• Minimum 2 years' working experience in semiconductor or Surface Mount Technology (SMT) field preferred</li> <li>• Fluent in English and Mandarin</li> <li>• Good communication skills with analytical mind and mature personality</li> <li>• Frequent travel to China and South East Asia required</li> <li>• Responsible for supporting sales and marketing activities in China and South East Asia</li> </ul>
<b>Supporting / Manufacturing</b>	
<b>MPC Planners (Hong Kong / Shenzhen Plants)</b>	<ul style="list-style-type: none"> <li>• Degree in Business / Operations Management / Statistics or relevant disciplines</li> <li>• Working experience in manufacturing field preferred</li> <li>• Responsible for supporting the logistic flow of materials and production mechanisms</li> <li>• For Shenzhen Plant, day trip is required (Company bus will be provided)</li> </ul>
<b>Production Engineers</b>	<ul style="list-style-type: none"> <li>• Degree in Mechanical / Electronic / Electrical / Manufacturing Engineering or relevant disciplines</li> <li>• Working experience in manufacturing field preferred</li> <li>• For Shenzhen Plant, Day trip to Shenzhen Plant is required (Company bus will be provided)</li> <li>• Responsible for process monitoring and improvement, supporting functional testing, troubleshooting and designing test jig and fixture in the assembly line</li> </ul>
<b>QA Engineers (Hong Kong / Shenzhen Plants)</b>	<ul style="list-style-type: none"> <li>• Degree in Mechanical / Electronic / Electrical / Manufacturing / Industrial / Quality Engineering or relevant disciplines</li> <li>• Working experience in manufacturing field preferred</li> <li>• Knowledge of ISO9001 / Six-Sigma / 5S will be an advantage</li> <li>• Responsible for supporting quality improvement projects, defining QA inspection procedures, resolving quality problem and handling customer complaints</li> <li>• Frequent or Day trips to Shenzhen Plants is required (Company bus will be provided)</li> <li>• Occasional overseas travel to Customer Site is required</li> </ul>
<b>Programmer/ Analyst Programmer/ System Analyst</b>	<ul style="list-style-type: none"> <li>• Degree in Computer Science / Information Technology / Information System or relevant disciplines</li> <li>• Good knowledge of computer programming techniques</li> <li>• Experience in SAP &amp; C# is an advantage</li> <li>• Knowledge in Java, Objective C, Swift or K2 BPM is a plus</li> <li>• Responsible for supporting global business applications and working in SAP, SQL, MS .NET and/or Mobile Computing</li> <li>• Good team player and willing to learn</li> <li>• Candidates with more experience will be considered as Analyst Programmers or System Analyst</li> </ul>

**Job Openings**

**Buyers (China Plants)**

- Degree or above in Engineering / Supply Chain / Operations Management / Statistics or relevant disciplines
- 1 year's working experience in purchasing preferred
- Self-motivated and able to work under pressure; a proactive person
- Good communication skills with all levels of management / team
- Good command of spoken and written English and Chinese (Mandarin highly preferred)
- Staying overnight in dormitory in Mainland China on weekdays (for Huizhou Plant only)
- Responsible for supporting component purchases / contracts in electronic, electrical, mechanical and plant supplies, sourcing, negotiating price with both China and overseas suppliers

*For more openings, please visit our website:*  
[https://careers.asmpt.com/?utm\\_campaign=1617UST](https://careers.asmpt.com/?utm_campaign=1617UST)

**Global R&D Centres**



**Hong Kong, China**



**Singapore**



**Chengdu, China**



**Singapore (Tech Park Building 2)**



**Weymouth, UK**



**Munich, Germany**

**Job Openings**



**Energetic Team with Active Participation in CSR Activities**



**Always Strive for Technological Innovation**

**Application Method:**

- ❖ Interested applicants please apply via our company website:  
<https://careers.asmpt.com/>

**Create your own account to stay updated with our Job Vacancies!**

- ❖ Address : 12/F, Watson Centre, 16-22 Kung Yip Street, Kwai Chung, New Territories, Hong Kong
- ❖ Tel : 852-2619 2000
- ❖ Fax : 852-2619 2107
- ❖ Email : [inquire@asmpt.com](mailto:inquire@asmpt.com)

- ❖ For more corporate information, please visit:  
<http://www.asmpacific.com>

**Grand Award Winner of Technological Achievement  
Hong Kong Awards for Industries 2015**



The interns will be assigned to assist our R&D / IT professionals in the following exciting enabling technology projects.

**A. Software Engineering**

Responsibilities:

- Developing software utilities for automation equipment;
- Supporting 3D model visualization software development.

Requirements:

- Year 3 undergraduates from Computer Science / Engineering or relevant disciplines;
- Knowledge on C++ programming in Windows or Linux is required;
- Knowledge on C#, javascript or additional script language is a plus.

**B. Diagnostic & Testing / Digital Electronic / System Engineering / Motion Platform**

Responsibilities:

- Participating in test methodology development, test framework development and support, database management and application as well as developing web based tool;
- Developing and supporting digital controller board (including board design, FPGA firmware development, etc), conducting digital controller board test flow and assisting in test program development;
- Executing complete software development lifecycle to create scalable and optimized (embedded) software systems (e.g. Cloud platform, Motion Control Platform).

Requirements:

- Year 3 undergraduates from Electronics / EEE / Software Engineering / Computer Engineering / Computer Science / Information Engineering / Information Technology / Information Systems or relevant disciplines

- For System Engineering and Motion Platform, the candidate should possess
  - Good knowledge of C++ and C# programming in Microsoft Windows platform
  - Knowledge of database technologies (e.g. MSSQL, MySQL) and web programming (e.g. PHP and JavaScript)

**C. Dispensing System / Thermal / Mechanical Design / Motion / Sensor / CE Motor**

Responsibilities:

- Undertaking mechanical design tasks related to epoxy dispensing design, conducting dispensing process study and trouble-shooting;
- Taking part in thermal design, calculation, modeling, carrying out thermal experiments as well as mechanical design tasks related to thermal designs;
- Designing mechanical and mechatronic system, preparing prototype for measurement and qualification, performing vibration measurement and analysis as well as providing customer field support and manufacturing support in China;
- Participating in electromagnetic sensor development, MCU programming, electronics circuit development, prototype measurement and qualification, data collection and analysis;
- Conducting motion system construction, tuning and evaluation, electronics circuit development, prototype measurement and qualification as well as web page development and maintenance;
- Supporting CE motor projects and mechanical test jig development (may need to go to China Plant once per week).

Requirements:

Year 3 undergraduates from Mechanical Engineering / Mechatronics / Automation / Electronics / Electrical Engineering / Computer Engineering / Manufacturing Engineering / Industrial Engineering / Applied Physics or relevant disciplines



**D. Computer Vision & Optics**

Responsibilities:

- Developing image processing algorithm libraries, training deep learning models, designing convolution neural networks and developing 3D measurement systems;
- Developing high resolution image sensor and its peripherals and diagnostic hardware systems, evaluating advanced image processing platforms, imaging and lighting effects;
- Building GIT based software development workflow, developing graphical and data analysis platform with HTML5 as well as general software modules to improve team operation efficiency;
- Studying diagnostic optical performance, simulating imaging and lighting effects and designing precision optics systems.

Requirements:

Year 3 undergraduates from Automation / Information Technology / Information Systems / Computer Science / Electronics / Software Engineering / Mathematics or relevant Engineering disciplines

**E. Electronic Engineering / Control Engineering / Embedded Application Software**

Responsibilities:

- Testing, repairing, measurement and development of motion system electronic circuit; with occasional involvement in firmware and test program development;
- Supporting control system tool development and maintenance, tuning control parameters, trouble-shooting and problem solving for motion system;
- Designing and deploying low level software and firmware for real time embedded control applications; providing technical expertise and solution to semiconductor equipment products and field for deployment of real time embedded controllers developed.

Requirements:

- Year 3 undergraduates from Mechanical Engineering / Electronic Engineering / Computer Engineering or relevant disciplines;
- Project experience on electronic system, knowledge on C / C++ / VHDL / Verilog is an asset;
- Project experience on motion control system, knowledge on C / C++ / Matlab is also an advantage;
- For Embedded Application Software, the candidate should possess
  - Knowledge on micro-controller, C/C++ programming language, real time operating system and control strategy;
  - Knowledge in multi-threading and object-oriented programming is an advantage.

**F. Management Information System**

Responsibilities:

- Developing Web Application, Mobile Application or SharePoint Application; and
- Supporting Business Process Management Development and working in .Net, C# and SQL.

Requirements:

- Year 3 undergraduates from Computer Science or relevant Science disciplines;
- Knowledge in Android/IOS Programming, JQuery Mobile, .Net is a plus.

Internship Period: June 2017 – May 2018 (**one year's full-time service**)

Upon completion of one year's contract, the intern will receive a contract bonus equivalent to one month's basic salary.

Interested parties, please submit your application via our career website <https://careers.asmpt.com> (please search "Interns (2017 – 2018, 30 Openings)").

You are strongly advised to state your top 3 interests at the top of your CV / resume before submission.

- A. Software Engineering
- B. Diagnostic & Testing / Digital Electronic / System Engineering / Motion Platform
- C. Dispensing System / Thermal / Mechanical Design / Motion / Sensor / CE Motor
- D. Computer Vision & Optics
- E. Electronic Engineering / Control Engineering / Embedded Application Software
- F. Management Information System

Your preference will be taken into consideration; however, final assignments will be based on your qualification, competence and vacancy.