

Our Partners



7-11 MAC 2016
In Penang, Malaysia

AMT PLASTIC INJECTION MOLDING INTENSIVE COURSE



Learn about plastic injection molding from our experts in 1 week course.

Complete intensive modules focusing on product design, parameter settings & defects troubleshooting.

ORGANIZED BY

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Course description

This course is a complete set of what injection moulding manufacturer needs. Course duration will be one full week with compact modules in Penang, Malaysia. During Q&A session you can ask anything related to plastic injection molding to our trainer. Apply what you have learned at the end of course during practical session. We believe learning is best when you hear it face to face & do it hand by hand.

Course objectives

Almost anybody can design a plastic part to some degree, but to do it well, knowledge of the injection molding process and how injection molds function is required in addition to "regular" design skills. Parts to be injection moulded must be very carefully designed to facilitate the moulding process, the material used for the part, the desired shape and features of the part, the material of the mould, and the properties of the moulding machine must all be taken into account.

This program is to ensure the participants understand the relation between materials, machine, and parameters with the quality of products. Participants will learn detail on each parameter involved in moulding process and their effect towards moulding quality. This course will also provide technical data for some machines and materials to ensure the participants understand and know how to design plastic part, set parameter and maintaining proper molding condition.

These modules will also touch knowledge concerning injection moulding defect solutions. For this purposes, countermeasures can be defined as an activity that takes place to determine the cause of, and solution for, defects found in a moulded part. This activity usually takes place while parts are being moulded and occurs when the normal production of acceptable parts is interrupted by the unexpected production of one or more defective, unacceptable parts. Learn details on what, why, when, where and how defects occurs and how to countermeasures the defects.

Who should join this training course?

- ① Managers
- ② Engineers
- ③ R&D personnel
- ④ QC personnel
- ⑤ Executives
- ⑥ Trainers
- ⑦ Supervisors
- ⑧ Technicians
- ⑨ Line Leaders
- ⑩ Maintenance personnel
- ⑪ Others related personnel

Why you should attend this course?

- The most complete course for what manufacturer needs.
- We are specialist with long experience in injection molding.
- 100% satisfaction and guaranteed ROI through all courses we have conducted.

What you will have learned at the end of this course?

- Enable participants to understand material specification and method of material selection for plastic product.
- Knowledge on plastic product design and mould design.
- Understanding the relation between product design, mould design and machine selection.
- Participants will learn detail on each parameter involved in moulding process and their effect towards moulding quality.
- Participants will learn detail on what, why, when, where and how defects occurs and how to countermeasures the defects.

Course modules

1. Plastic product & injection mould

- 1.1. Material specification studies and selection method
- 1.2. Plastic product design
- 1.3. Mould components, functions and design
- 1.4. Injection moulding machine specification studies and selection method

2. Injection Molding Process & Parameter Settings

- 2.1. Injection Moulding process
 - ✧ (General view of injection moulding process & function of parameters)
- 2.2. Parameter setting procedures
 - ✧ (Step by step setting procedures and how to maintain it, parameter setting using formulas and calculation)

3. Defects and countermeasure

- 3.1. Type of defects
- 3.2. Defects terminology
- 3.3. Defects analysis and failure of products
- 3.4. Defects countermeasures

4. Industrial visit

Trainer Biodata

Azahar Hasan, a mechanical engineering graduate from UTM started his career as an instructor at Centre for Instructor and Advanced Skill Training (CIASST) under Ministry of Human Resource in 1984. He has undergone training in Japan in the area of plastic injection moulding from various training institutions and companies such as Nissei School, Takahashi Seiki, Yamashita Precision, Idemitsu Chemical, Tokyo High Polymer Centre and Others. He starts to organize and conduct training under AMT Services since 1999 after leaving CIASST. Currently he is involved in Skill Advisory Committee Member for plastic under JPK (Jabatan Pembangunan Kemahiran). His knowledge and experience has been shared by thousands of participant who came over from various multinational companies, universities, training institutions including participants from Asean Countries.

Course Details

1. Course fees : USD 2000.00/participant
This will include the followings:
 - ✧ Course fees
 - ✧ Hotel room for 1 week
 - ✧ Breakfast, lunch, dinner at hotel or at training room for 1 week
 - ✧ Transport service from airport to hotel vice versa for check in & after check out
 - ✧ Transport from hotel to training institute
 - ✧ Industrial visit arrangement
 - ✧ Training materials
2. Duration : 5 days, Monday to Friday
3. Date : 7 – 11 Mac 2016
4. Venue : Japan Malaysia Technical Institute (JMTi), Penang, MALAYSIA
5. Time : 9.00 am – 5.00 pm
6. Certification : Certificate will be awarded by AMT Services &
Japan Malaysia Technical Institute (JMTi)

Procedures for registration and payments

1. Register online through our website. amt-services.com.my/int-injection-molding-course or [Click here to visit registration page.](#)
2. Once we received your registration details, we will send confirmation letter with information on payment method.

Daily Schedule

Time & date	9.00 – 10.30	11.00 – 1.00	1.00 – 2.00	2.00 – 3.30	3.45 – 5.00
6 Mac, (Sun)	Pickup from Penang Int. Airport and check in to hotel				
7 Mac, (Mon)	Breaking the ice Topic 1.1	Topic 1.2	Lunch break	Topic 1.3	Topic 1.4
8 Mac, (Tue)	Topic 2.1	Topic 2.1	Lunch break	Topic 2.2	Topic 2.2
9 Mac, (Wed)	Topic 3.1/3.2	Topic 3.3	Lunch break	Practical	Practical
10 Mac, (Thu)	Topic 3.4	Industrial visit			
11 Mac, (Fri)	Practical	Practical		Practical	Q&A Session Closing
12 Mac. (Sat)	Check out from hotel and transportation to Penang Int. Airport				