Injection Moulding and Maintenance Training Courses

MODULE	Course Duration (days)
Module 1, Health and Safety in the Workplace	1
Module 2, Fundamental Principles of Pressure and Speed	½
Module 3, Mould Protection	½
Module 4, Fundamental Principles of Injection Moulding	1
Module 5, The Importance of Process Monitoring	½
Module 6, Machine Design and Construction	1
Module 7, Clamp force and shot weight calculation	½
Module 8, Machine Control	1
Module 9, Moulding faults, causes and remedies	1
Module 10, The Importance of Quality	½
Module 11, Simple tooling care and maintenance	½
Module 12, Materials level 1 - Basic Material Concepts	½
Module 13, Materials level 2 - Polymers and Additives	½
Module 14, Materials level 3 - Morphology and Crystallinity	1
Module 15, Materials level 4 - TG and Design Influences	1
Module 16, Fluid Dynamics	1
Module 17, The Scientific Process set-up	3
Module 18A, IMM safe start up and shut down procedure	1
Module 18B, IMM safe start up and shut down procedure with practical assessment	2
Module 19, Introduction to SMED	2
Module 20, Principles of In-Mould Labelling	1
Module 21, Principles of Thin Wall In-Mould Labelling	1
Module 22 - Engineers Injection Moulding Principles Appreciation	2
Module A - Zero Parameter set up- clamp end.	2
Module B - Zero Parameter set up- Injection end.	2
Module C - Basic tool design.	1
Module D - Processing and trouble shooting.	2
Module E - Safe Mould Mounting	2
Module F – Team Leaders IM Appreciation Course	2
Module G – Risk Assessment	1
Module H – Basic Mathematics	1
Module J – Mould Tool Construction and Terminology	1
Module K – An Introduction to Injection Moulding	3
Module L – An Introduction Overall Equipment Efficiency (OEE)	1
Module M - An Introduction to Injection Moulding Materials	2
Module N – Material Handlers Course	1
Module P - Introduction to PVC Processing	½
Module R - Safe Purging Procedures	1