

Course Title: MOULD DESIGN**Course Code: MMF 115****Course Background / Summary:**

This program aims to educate on the principles and the fundamentals of mould design. This training will allow participants to enhance their knowledge of mould design. Upon completion, participants will be equipped with the correct techniques applicable to mould design and understanding of the application.

Course Objectives:

- How moulds are made using AUTOCAD
- How moulds are constructed; the elements and terminology used
- How mould design influences product quality
- The importance of mould cooling; gate and runner design etc
- How to make mould design improvements

Target Audience:

- Machines Operators & Machines Suppliers
- Teaching staff (including vocational & technical teachers)
- Industrial workers

Course Duration: 3 Days**Course Contents****1.0 General mould construction**

- Terminology
- Design of mould parts and components
- Cavities and cores
- Inserts, parting line, line of draw, draft angle.

2.0 The Two Plate Mould

- Design for runner and gate design
- Ejector systems
- Venting mould shrinkage
- Methods of locating and aligning each half
- Mould venting and injection process