

# Inventor Advanced Assembly Modelling

## Duration:

1-2 days. Duration is dependent on content users wish to cover from the course outline shown below. Graitec scheduled 1 day courses will cover core elements from the advanced assembly modelling manual.

## Who should attend?:

Designers who have completed the Essentials course (AD27).

## Prerequisites:

Students should have a basic understanding of Autodesk Inventor parametric part and assembly design. It is recommended that you have a working knowledge of current Microsoft supporting systems.



## Course Description:

Throughout the course you will be taught how various Inventor tools can be used to achieve Top-Down Design practices in your assemblies using Derive, Multi-Body Design, and Layouts. Other advanced assembly topics include Positional and Level of Detail Representations (including substitute), iMates and iAssemblies, iLogic, Frame Generator, Design Accelerator, and file management and duplication techniques that aim to help you become more efficient when working with assemblies.

## Objectives:

Autodesk Inventor Advanced Assembly Modelling builds on the skills acquired in the Inventor Introduction to Solid Modelling and Advanced Part Modelling courses to take students to a higher level of productivity when creating and working with assemblies in Inventor.

## Course Outline:

- General Assembly Tips
- Constraint Tips
- Top Down Design methodology
- Derived Components
- Multi Body Part Modelling
- Layout Design
- Adaptive Part
- I-Mates
- Assembly Representation tools
- Design Accelerator tools
- Advanced File Management
- Inventor Studio
- Assembly I-logic
- Frame Generator
- Assembly Duplication
- Weldments (Welded Assemblies)
- Skeletal Modelling
- Spreadsheet driven designs

\* The suggested course duration is a guideline.

Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.

The course is Autodesk Authorised with Courseware, and Certificate of Completion awarded

Maximum number of delegates: 9 per course

Training can either be taken on site or at one of our conveniently located local training centres.

To book a place on this course please call Graitec on **023 8086 8947**

#### **Graitec Training Centre Locations**

Southampton | Milton Keynes | Nottingham | Bradford | Durham