

# Inventor FEA & Frame Analysis

## 1 Day Training Course

### Objectives

This course will cover the basics of stress, modal & frame analysis. The course will begin FEA theory & move onto thoroughly explaining the stress, modal & frame analysis workflows & user interface.

### Audience

Students must have a thorough working knowledge of Autodesk Inventor and understand engineering design and drafting.

### Agenda

- Stress analysis under interface
- Element types and assembly contracts
- Mesh and convergence
- Stress singularities
- Solving stress analysis design problems
- Motion load transfer
- Cyclic symmetry
- Weldments
- Structural optimization
- Modal analysis
- Frame analysis
- FEA theory
- Frame analysis user interface
- Connection types

All courses are normally run on the latest software release. The agenda can be varied to suit a clients preferences and requirements. On completion of the course you will be presented with an Autodesk Authorised Completion Certificate. All our courses follow Autodesk approved coursework.

### Craig Davies

Business Development Manager  
Kohler

*“The Cadspec AutoCAD trainer was great! Everything that I had questions about – even off topic of the course – were answered clearly & coherently. When we get new starters join Kohler that require AutoCAD training, I will definitely recommend the Cadspec course to them.”*

#### Locations

Bristol  
Derby  
Worcester  
Pencoed  
Leeds

#### Info

All food, equipment, software & amenities are provided. Please let a staff member know of any food allergies prior to the course.

#### Contact

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