

# Inventor FEA & Frame Analysis

1 Day Autodesk Accredited 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

### Amal Jashid

Junior Engineer  
Aktore

“ I really enjoyed the Inventor course at Cadspec. The course was paced really well and adapted to suit my level. Everything was explained really well and I felt like all my questions were answered during the training. ”

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#### Locations

Bristol  
Derby  
Worcester  
Pencoed

#### 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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