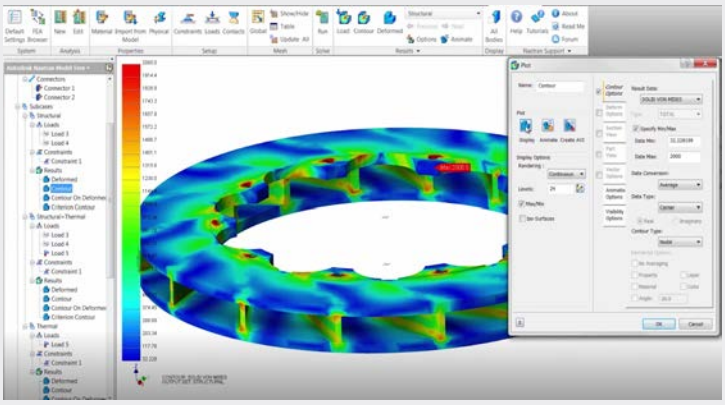
man&machine

AUTODESK
Authorised Training Centre

Introduction to Nastran In-CAD

Course Description

Autodesk Nastran In-CAD is a powerful Finite Element Analysis (FEA) package built into Inventor. This course teaches the capabilities of Nastran including complex stress, impact, fatigue, vibration and thermal analysis.



Prerequisites

Prior knowledge of Inventor Solid Modelling is required and Finite Element Analysis experience is beneficial but not mandatory.

Study Types

- Linear Static Analysis
- Nonlinear Static Analysis
- Normal Modes Analysis
- Linear Buckling Analysis
- Non-linear Buckling Analysis
- Prestress Static Analysis
- Prestress Normal Modes
- Direct Transient Response
- Modal Transient Response
- Impact Analysis
- Nonlinear Transient Response
- Direct Frequency Response
- Modal Frequency Response
- Random Frequency Response
- Shock/Response Spectrum

Topics Include

- Introduction to Finite Element Analysis
- Idealisations
- Contacts
- Constraints
- Leads
- Meshes
- Reviewing Results
- Sections
- Animations

IN-CAD

Course Duration: 2 Days

Next Step: A Bespoke Course

E: training@manandmachine.co.uk
W: www.manandmachine.co.uk **T:** 01844 263 700

Connect with us: