

PowerShape Basic Essentials

5 Day Training Course (Split 3/2)

Audience

Professionals from tool making, die and mold manufacturing industry, automotive industry can get the best out of this training.

Prerequisites

While there is no formal prerequisite for this training, the course is designed for candidates with a strong knowledge of the below are ideal candidates:

- Manual part programming, manual programming of the machine tool.
- Manual data input, entering a program manually at the machine controllers keyboard.

Agenda

Wireframe:

- Create wireframe lines and curves
- Creating Composite curves
- Using the Single Curve Point Edits feature
- General Edits

Workplanes:

- Create and transform workplane
- Aligning workplane to geometry
- Use workplane to align wireframe
- Changing orientation of a model using a workplane

Levels:

- Use Levels to organise the PowerShape session.
- Use Levels to manage the selection and visualisation of the model.
- Use Levels and Groups to manage the model effectively.

Solid Modelling:

- Create solid models of a part, utilising primitives, extrusions, filleting and Boolean.
- Use Boolean operations to create complex parts using multiple primitive shapes.
- Use solid editing tools to modify these complex parts.

Surface Modelling:

- Surface creation including Smart Surfer. Primitives, filleting and limiting surfaces.
- Use the surface of revolution tool to create a wheel shape
- Use wireframes to create cross sections and drive curves to create a tennis racket
- Using a network of curves to fix complex surfaces
- Using planes to limit sections
- Create constant and variable fillets on an extruded surface

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.

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

E: training@cadspec.co.uk
T: 01905 458000
W: www.cadspec.co.uk