



Dream
TECHNOLOGY
System

Inspiring to
Innovate

Training Catalogue

www.dts-asia.com

DTS Group Training Centres Location:

Singapore	2, Kallang Avenue #08-18 CT Hub, Singapore 339407
Johor Bahru	Unit 07-04, Austin 18, Jalan Austin Perdana 3, Taman Austin Perdana, 81100 Johor Bahru, Johor.
Penang	1A-2-02 @ One Precinct (1337) Lengkok Mayang Pasir, 11900 Bayan Baru, Penang.
Kuala Lumpur	221, Block A, Kelana Center Point, Jalan SS7/19, 47301 Petaling Jaya, Selangor

CADBro Training

3 hours

Prerequisites

- There are no prerequisites for this class.

Who should attend

- For non-CAD users such as bosses, managers, quality engineer, process engineer, production, purchaser

Objective

- Open and examine CAD models
- Analyze the part
- Collaborate with others

Content

- Introduction to CADBRO interface
- Inquiring 3D Part Information
- Create PMI
- Healing Open Edges
- Direct Editing
- CAD Files translation

ZW3D Lite Version Training

1 day

Prerequisites

- There are no prerequisites for this class.

Who should attend

- For users that would like to know about ZW3D interface
- For non-CAD users such as bosses, managers, quality engineer, process engineer, production, purchaser

Objective

- Open and examine CAD models
- Create and edit parametric solid models.
- Create and modify 2D drawings.

Content

- Introduction to ZW3D interface
- Inquiring 3D Part Information
- Healing Open Edges
- Overview of Sketching and Modelling
- Direct Editing
- Creating a 2D Drawing

ZW3D Fundamental Design

2 days

Prerequisites

- There are no prerequisites for this class

Who should attend

- Jigs & Fixture designers
- CNC programmer

Objective

- Open and examine ZW3D models
- Create and edit parametric solid models
- Create and modify basic assembly structures
- Create and modify simple drawings

Content

- 2D Sketch Design
- Shape
- Create and edit 2D Shape
- Constraints
- Dimensions
- Annotation & Symbol
- BOM table
- Wireframe & Surface Design
- Assembly Design
- Basic solid model functionality & features
- Engineering Features
- Shape Editing
- Cover surface to solid
- Configuration & Library Design
- PMI

ZW3D For Designer

2 days

Prerequisites

- ZW3D Fundamental Design
- ZW3D STD license required

Who should attend

- Product designer

Objective

- Create inter-part references
- Manage assembly arrangement
- Design “in context”
- Create a basic free form shape
- Understand component replacement methods
- Create and edit splines and developed curves
- Create and edit of primary bodies and transition surfaces using freeform curves
- Analyze curves and faces
- Create bodies having one or more freeform faces

Content

- Hybrid Modeling
- Face Editing
- Sweeps
- Shell
- Family of Parts
- Morph
- Wrap
- Freeform Surfacing
- Advance Assembly
- Animation
- Point Cloud

ZW3D For Mold Designer

2 days

Prerequisites

- ZW3D Fundamental Design
- Plastic mold design knowledge
- ZW3D Professional license is required

Who should attend

- Mold Designer

Objective

- Focus experienced ZW3D users on compelling solutions that dramatically reduce lead-time in mold design process via Mold Wizard automation, increasing their productivity.
- Learn to produce several associative two-part molds from suitably prepared solid models.
- Flows through familiar tasks used in mold construction

Content

- Importing and Creating Geometry
- Translation, Analysis, Scaling
- Creation of Core, Cavity and Parting Faces
- Creating Inserts
- Creating Lifters
- Creating Sliders
- Creating a Moldbase
- Creating a Standard Library
- Assign Attributes for Mold Parts
- Creating 2D Drafting for Mold
- Creating Electrodes
- Creating and Electrode Table

ZW3D For Sheet Metal Designer

2 days

Prerequisites

- ZW3D Fundamental Design
- ZW3D For Designer course
- Sheet Metal design knowledge
- ZW3D STD license is required

Who should attend

- Stamping / Sheet metal designer

Objective

- To study and observe through demonstration the metal forming processes

Content

- Set up Sheet Metal Attribute
- Create Sheet Metal Base
- Flange Creation
- Editing Tools
- Corner
- Forming Tools
- Bend Function
- Convert

ZW3D 3D Machining

2 days

Prerequisites

- ZW3D Fundamental Design course.
- ZW3D 3 Axis Machining license is required

Who should attend

- CNC Programmer

Objective

- Learn the use of the manufacturing process for 2- 1/2- 3-axis milling and drilling applications within the context of an NC/CNC programming session.
- Learn the use of manufacturing process methods for improved machining efficiency.
- Allows students to transfer classroom instruction to productivity on the job.

Content

- Introduction to ZW3D CAM Environment
- Create Stock
- Create Tool Path
- Add Operation
- Tool Path Setting and Modification
- 2 Axis CAM Operation
- Hole Drilling
- Solid Verify
- Generate NC Code
- 3 Axis CAM Operation
- Tool Library Customization