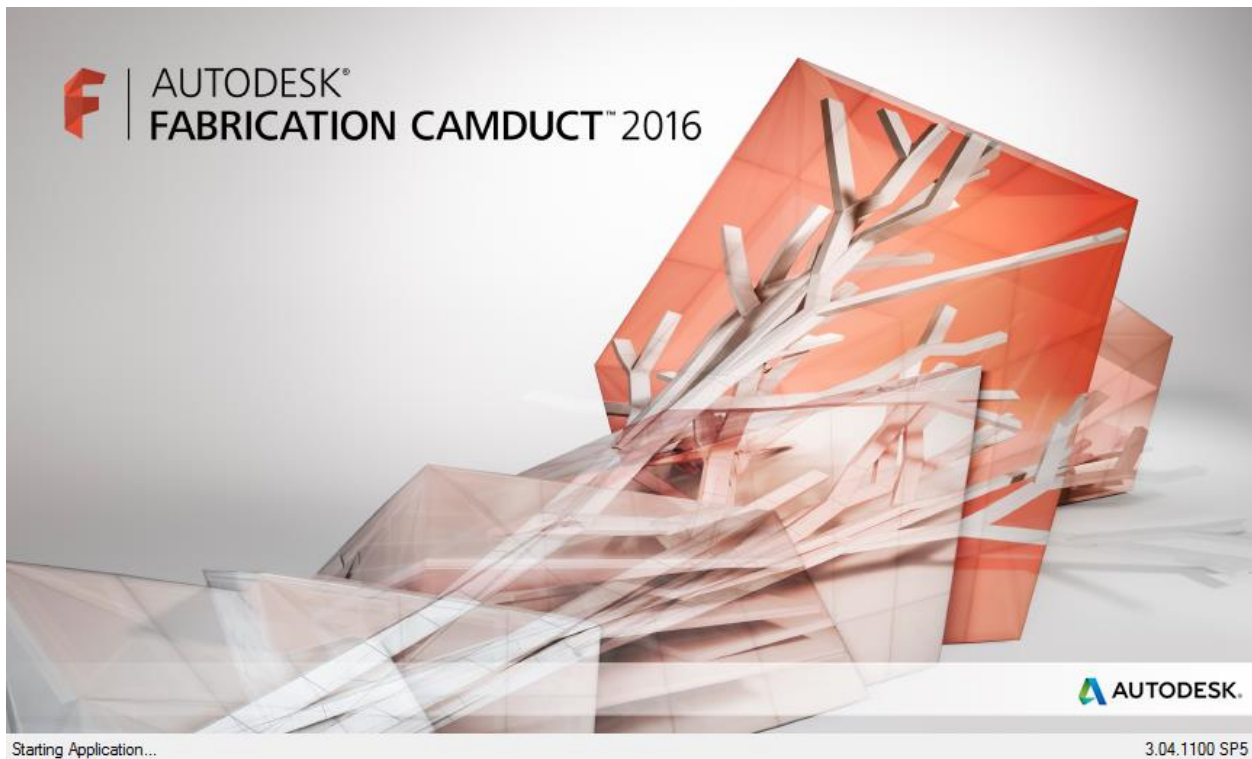


Course Outline for **Autodesk Fabrication CAMduct Fundamentals**





Autodesk Fabrication CAMduct 2017 Fundamentals

Rev 6/24/16

1. Introduction
 - a. Support resources
 - b. Overview of Autodesk Fabrication products
 - c. BIM and Fabrication
 - d. Overview of the MEP fabrication Industry
 - e. Definitions
2. Deployment
 - a. Installing
 - b. Starting Fabrication CAMduct
 - c. Setting up a Shared Database
 - d. Migrating an Older Database
 - e. Configuring Names and Permissions
 - f. Borrowing a Fabrication CAMduct License
3. User Interface
 - a. User Interface Overview
 - b. Pull-down Menus
 - c. The Utility Bar
 - d. The Primary View Pane
 - i. Multiple windows interface
 1. Window arrangements
 2. Context sensitive View pull-down menu
 - ii. Job Contents window
 1. Items tab
 2. Nests tab
 3. Object Properties
 4. View Customization
 5. Group By
 - iii. Item Folders
 1. Details
 2. Object Properties
 3. View Customization
 - iv. Quick Takeoff
 1. Service Pallet
 2. Tab Order- Defaults

3. Item Information
 4. Quick Entry Information
 5. Item Details
 6. Item Folders
 7. Library Information
 8. View customization
 - v. Right-click Shortcut Menus
 - e. Status bar
4. Takeoff Methods
 - a. Item Folder Takeoff
 - i. Double-click Takeoff
 - ii. Add to Job
 - iii. GoTo Functionality/Search
 - b. Quick Takeoff/Service Takeoff
 - i. Individual Quantities
 - c. Job Contents Manipulation
 - i. Right Click Options
 - ii. Double Click Options
 - iii. Multiple Item Properties/Change Object Properties
5. Setting Item Defaults
 - a. Locking Dimensions
 - b. Locking of Options
 - c. Locking of Connectors
 - d. Calculations and Dependencies
6. Database Settings
 - a. Fittings
 - i. Materials
 1. New Material Creation & Removal
 2. Groups
 3. Properties
 4. Sheet Size Setup and defaults
 - ii. Connectors
 1. Manufacturing
 - a. Straight and Turnover
 - b. Straight and Sloping Notch
 - iii. Seams

1. Seam Allowances
 2. Seam Materials (Ancillary)
- iv. Stiffeners
 1. Tie Rods
 2. Fixings
- v. Splitters
- vi. Airturns
- vii. Insulation
 1. New Insulation material
 2. Material Properties
 3. Sheet Size Setup
 4. Insulation Development cutbacks
- viii. Insulation Specifications
 1. Duct
 2. Double Wall
- ix. Specifications
 1. Spec Name
 2. Materials For a Spec
 3. Valid For
- x. Pattern Options
 1. General
 2. Double Skin
 3. Insulation
 4. Straight
 5. Notches
 6. Holes
 7. Standards
- b. Manufacturing-(Auto Nest window)
 - i. Nesting
 - ii. Materials
 - iii. Oversize Options
 - iv. Autonest Options
 - v. Multi Torch Properties
 - vi. Flanging
 - vii. Remnants
 - viii. Tool Defaults

- ix. Leads
 - x. Options
 - xi. Layers
 - xii. Layer Mapping
7. Drawing with Opus
- a. Chamfer
 - b. Fillet
 - c. Trim
8. Makepat
- a. Patterns for fabrication
 - b. Item creation
9. Reports
- a. Item Reports and Item Report Builder
 - b. Worksheets and Worksheet Builder
 - c. Nest Reports
 - d. Printer Setup
 - i. Label Printer
 - 1. Label Size
 - ii. Report Printer
 - iii. Nest Printer
10. Nesting and Decoiler Output
- a. Automatic Nesting
 - i. General Nesting
 - ii. Auto Stitching
 - iii. Autonest Options
 - iv. Sheet Order
 - v. Method
 - vi. Preferences
 - b. Oversize Options
 - c. Manual Nest
 - d. Cloud Nesting
 - e. Decoiler Output
11. Processes
- a. Creating Processes
 - i. Nesting Options
 - ii. Write NC



- iii. Export Data Fields
- iv. Print Report
- b. Running Processes
- c. Re-nesting damaged parts
- d. Merging multiple Jobs for unified reporting

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