



CAD-MEP

Autodesk®
Authorized ISV Partner

CAD-MEP is a 3rd-party Autodesk® add-on software program that provides the “I” in BIM (Building Information Modeling). CAD-MEP offers intelligent 3D-Design to Mechanical (Ductwork and Pipework), Electrical, and Plumbing/ Hydraulics Engineers and Design/ Build Contractors.

CAD-MEP is an ARX-Programmed to utilize *.DWG Files working on AutoCAD and AutoCAD MEP 2007-2009 (both 32-bit and 64-bit).

Design calculations are created with simple user inputs which define a system’s criteria and specify constraints such as width, aspect ratio, Round or Rectangular shape, and the power of *Design-Line* will do the rest. With a single line sketch, a 3D drawing is generated automatically. Compare “what if” scenarios; Round versus Rectangular, change static pressure, or add in-line equipment and **CAD-MEP** will recalculate sizes and redesign automatically.

CAD-MEP is a design tool that integrates directly with other Leading CAD design tools such as: AutoCAD MEP®, Bentley V8 XM® *.DGN format, and **CAD-Mech** and **CAD-Duct**. **CAD-MEP** can convert AutoCAD MEP *.DWG and Bentley Building Mechanical Systems V8 XM *.DGN files to **CAD-MEP** *.DWG formats, thereby eliminating the need to redraw 3D HVAC, Pipework and Plumbing services.

EST-Mech and **EST-Duct** modules, when purchased, estimate labour and material costs for each service directly in a **CAD-MEP** drawing.

CAD-MEP offers seamless integration with our **CAD-Duct** HVAC Detailing software, **CAD-Mech** Pipework and Plumbing/ Hydraulics Detailing software, utilizing the same networkable database for Manufacturing, Scheduling, and Estimating.

CAD-MEP Features include:

- Integration with AutoCAD®, AutoCAD MEP®, Bentley Building Systems®, and NavisWorks®.
- Ability to Auto-size Duct / Pipe with *Design-Line*.
- Drawing with size based services
- Auto-Generate Hangers for Duct/Pipe/ Electrical.

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