

CADMill

3D

3D Plant Layout Design System

CADMill 3D is an easy to use and efficient engineering tool for design and documentation of plant layouts, equipment design and piping assemblies in 3D. The system provides automatic functions for pipeline routing, collision detection, flange connections, generation of isometric drawings and pipeline adjustments when components are changed.

The system also includes comprehensive Standard symbol libraries based on International Standards and regional codes of practice. It also offers easy addition of custom symbols and a large set of libraries from equipment manufacturers.

The dynamic links to CADMill Main Database (included in the CADMill 3D) provides excellent functionality for transferring information in both directions. The system also offers the user a report manager which handles several different reports based on data from both the drawing and the database.

The CADMill Plant design system – adaptable to your company's need

CADMill is a system built to control your AutoCAD based design process.

The system is developed for companies involved in mechanical and plant design work.

CADMill users vary from design and consultancy offices to large industrial plants and equipment manufacturers.

The CADMill system always supports your technical data management requirements, throughout the life cycle of the plant. Seamless integration to existing systems lets you extend your information handling capability when you need to – CADMill will grow with you.

CADMill 3D general features:

- 3D plant layout design
- 3D piping design
- 3D equipment design
- 3D steel construction design
- 2D engineering drawings generation feature
- Isometric piping drawings
- Database and reports generator

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CADMill & AutoCAD A total concept for plant design and data management

plant design and data management



CADMill 3D

Overview

CADMill Design and Draughting

Standard draughting functions

CADMill Main Database

Database interface based on ODBC



Integration

CADMill's open architecture allows for smooth and seamless integration into an existing company information system. By interfacing to other CADMill Plant Design modules, CADMill 3D can be expanded to encompass all facets of plant design.

Components

- Parametric 3D mechanical components
 - Steel structures, bars, screws, nuts, pipes, pipe parts, flanges, bends and more
- Parametric 3D equipment libraries:
 - Pumps, valves, motors, gears and more

Features

- Mechanical and equipment design in 3D;
 - Standard mechanical components
 - Equipment libraries
- 3D piping design;
 - piping, ducts, bracing, supports
- Factory layouts design in 3D;
 - Buildings, walls, structures
- 3D steel construction design;
 - Platforms, mezzanine floors
 - Stairways, handrails
 - Tanks and containers
- Automatic pipeline routing based on beginning and end points
- Automatic flange connections between pipes and vessels
- Automatic pipeline adjustments when components are changed
- 2D engineering drawings generation feature
- Automatic generation of isometric piping drawings
- Collision detection
- Instant data exchange between other CADMill modules
- Flexible system maintenance feature
- Database and reports generator
- Bill of materials
- Assembly parts lists
- Pipeline component lists
- Total project material list



Additional information:
www.profox.com

CADMill Local Support and Services.

CADMill support is amongst the best in the AutoCAD OEM market. Our offices and local support representatives offer nationwide support and training. We are an authorized Autodesk certified applica-

tion development house.

Customer modifications are produced by the Profox development team and implemented by Profox and the local representatives' highly skilled staff.

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