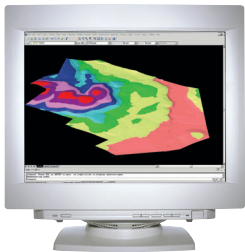


autodesk®

2005

Increase Profitability Using Integrated Design, Drafting, and Analysis Software



Autodesk Land Desktop 2005 is the core of a complete civil engineering solution. You can reduce your costs by providing design, analysis, and drafting efficiency with a complete solution that includes Autodesk® Civil Design 2005, Autodesk® Survey 2005, and Autodesk® Raster Design 2005.

Autodesk® Land Desktop 2005 is part of an AutoCAD® 2005 software-based civil, survey, and planning solution that will save you time and money through improved production drafting, unmatched data interoperability, and new drawing sheet management. And Autodesk Land Desktop extends AutoCAD 2005 by providing industry-leading creation, analysis, and drafting of points; terrain models; parcels; and road alignments that can be used directly in the surveying and civil design process.

Save Time and Money with Integrated Tools

Extend the value of AutoCAD 2005 and Autodesk Map™ 3D 2005 with enhanced land development features. Intuitive tools help you create and label COGO points, define and edit parcels and roadway alignments, automate drafting procedures, create terrain models, and calculate volumes. Autodesk Land Desktop, a foundation for Autodesk® Civil Design and Autodesk® Survey, reduces the risk of data loss and saves time by integrating the surveying, planning, and engineering functions of your organization.

Collaborate More Effectively

Entire teams work more productively with Autodesk Land Desktop because critical data—including points, terrain models, and alignments—is stored centrally. For example, you can extract 3D grids, contours, and sections from a project's terrain model. Project teams all work from the

latest, most up-to-date data. And you can automatically convert Autodesk® Civil 3D™ drawing objects into Land Desktop 2005 project data.

Complete Submittal Sets Faster Than Ever

Autodesk Land Desktop 2005 is built on AutoCAD 2005, so you receive all the AutoCAD software production drafting benefits. Land Desktop also includes many of the features of Autodesk Map 3D 2005. New tools streamline the completion of submittal documents. Detail creation functionality helps you create, annotate, and manage construction details quickly and easily. New report formats allow you to generate legal descriptions and radial stakeout reports. Multiview blocks that display as 2D or 3D based on your view are included in Symbol Manager.

Autodesk Land Desktop 2005

Data Interoperability and Planning

- + Generate Autodesk Land Desktop project data directly from Autodesk Civil 3D drawing files.
- + Share terrain models and point data directly to survey equipment via Carlson Connect and Trimble Link.
- Read and write native AutoCAD DWG format drawing files, DWF™, Microstation® DGN, LandXML, and various GIS format files.

Plan Production and Reports

- + Create construction details that include graphics and labeling from a customizable detail library.
- + Insert multiview blocks that are displayed as either 2D or 3D objects based on your view orientation.
- + Create radial stakeout and legal description reports, as well as standard reports for points, alignments, profiles, cross sections, parcels, and surfaces.

COGO Point Data

- Store a virtually unlimited number of COGO points in external project databases.
- Create and retrieve point groups based on various data criteria.
- Associate additional point data, such as borehole values or external databases.

Base Geometry

- Create lines based on bearing, azimuth, and more.
- Lay out curves and spirals with a variety of graphical and geometric input methods.

Annotation

- + Create line, curve, and spiral tables as new AutoCAD 2005 table object or as traditional line/text entities.
- Add multiple labels and tags to lines, curves, spirals, and polylines.
- Update label values, locations, and bearing direction automatically.

Alignments and Parcels

- Define plan alignments that represent roads, rails, and channels.
- Edit graphically or within a tabular editor.
- Size parcels with standard methodologies and label automatically.

Terrain Modeling

- Create and manage surfaces from any combination of project data.
- Access surface data without adding TIN objects to the drawing.
- Extract and plot sections from multiple surfaces.
- Use thematic mapping for slope shading and elevation banding.
- Calculate watershed areas, flow lines and subareas.

Volumes

- Use composite, grid, and sectional methods to calculate volumes.
- Create volume reports, plot cross sections, and generate cut and fill contours.

Contours

- Automatically generate contours at user-defined interval, layer, and style.
- Control the appearance of a drawing's different contour groups.

System Requirements

For a complete list of system requirements, visit www.autodesk.com/landdesktop.

Companion Products and Services

Autodesk Professional Services provides consulting, training, and support services that can help you get the best possible return on your investment in Autodesk® technology. Visit us at www.autodesk.com/professionalservices.

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For more information on Autodesk Land Desktop 2005, visit www.autodesk.com/landdesktop.

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