



powerful tools for Engineering Professional

Overview v8.5.17a

SmartDraft supports Civil 3D, Land Desktop, Map, and AutoCAD 2006 – 2010.

SmartDraft is designed to make Civil 3D, Land Desktop, Map, and AutoCAD more productive for Engineering Professionals. and easier to use. It reads design data directly from Civil 3D and Land Desktop. **New** in v8.x is the ability to update label values when the design data changes.

The **SmartDraft tools** are a comprehensive and integrated set of design and drafting tools focusing on civil engineering, and surveying.

All of the **SmartDraft** tools support AutoCAD's ability to twist a view. All labeling, annotation and text tools adjust to a twisted view so that text is read correctly.

SmartDraft has layout tools to assist in subdivision layout and design. Calculate cul-de-sac with tangents, knuckles, and reverse curves. The grading tools can calculate toe of slopes, set polylines at specified elevation. Offset 3d polylines, offset from blocks and xreferences, and offset multiple selected objects on both sides.

Features

PConnect (New)

A field to finish tool which draws 2D or 3D polylines from point descriptions and key codes.

Parcel

- Area Tables from SmartDraft and Land Desktop parcels.
- Define, manager, and label SmartDraft parcels.
- Create Closure Reports from SmartDraft, Land Desktop, or Civil 3D parcels.

Planview

- Label alignments

- Label stations and offset
- Create lateral lines along alignments
- Read Land Desktop and Civil 3D alignments
- Label profile data along the alignment

Profile

- Draw profiles manually or from Land Desktop and Civil 3D profile data.
- Three line profiles
- Add labels at stations
- Draw curb returns
- Calculate pipe deflect
- Label alignment data along the profile
- Create 3d polyline from Land Desktop profiles.
- Vertical curve calculator

Points

- Setback placement
- Create coordinate table
- Label coordinates
- Label point objects
- Erase point groups
- Supports Land Desktop and Civil 3D point objects.

Grading

- Label elevations
- Label slopes
- Draw toe / top of slopes
- Calculate slopes
- Read Land Desktop and Civil 3D surfaces, alignments, and profiles.
- Edit object's elevation
- Calculate elevations

Labeling

- Label bearing and length
- Label delta, radius, length, tangent, and chord
- Change label scale
- Label with numeric or alphabetic tags
- Renumber tags
- Find a tag
- Label from styles
- Consolidate common tags
- Create line, arc, or combined line/arc label tables

- Create ALTA labels
- Label radial bearings

Design / Drafting

- Offset from blocks or xreferences
- Create cul-de-sac
- Create knuckles
- Create reverse curves
- Tangency report
- Draw dimensions
- Layer database
- Polyline tools
- Reverse polyline direction
- Inquiry tools
- Measure angles
- Label areas
- Count blocks
- Scale blocks
- Rotate blocks
- Update blocks

Text

- Arc text
- Sequential numbering
- Sequential lettering
- Align text
- Respace text
- Rotate text
- Swap Text
- Adjust numbers
- Match String with adjustment
- Reference bubbles
- and more

SmartDraft, Inc.

818.335.8065

sales@smartdraft.com

www.smartdraft.com

Download a 30 day trial version.

© SmartDraft Inc, All rights reserved.