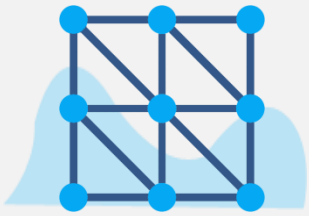
nanoCAD
ENGINEERING ECOSYSTEM

nanoCAD is the right choice for you because…

Prasoft IT Services
E-mail : sales@prasoftit.in
Contact no: +91 99087 95678

It is an All-inclusive CAD Platform



The nanoCAD is designed in a manner which helps to get your work done in any industry the user is in. Creating drawings from simple to complex supported by international standards can be done using nanoCAD. This program can be used in various disciplines namely mechanical engineering, building design, architecture, site design and landscaping.

It is a Native DWG Editor

nanoCAD supports 100% industry based standard DWG. Files can be saved and reused without conversion or data loss in nanoCAD and other CAD systems. It is a unified processing process that supports DWG and everything related to it. It also supports complex DWG objects, like 3D point clouds and IFC models.

It has an Open API for Developers

For developing third-party applications and add-ons, nanoCAD provides an extensive application programming interface (API). The powerful API allows to built applications of any complexity. For small applications and to write utilities, developers can use the built-in Script Editor with scripts based on ActiveX Automation (JS, VBS, and so on), as well as for LISP with DCL dialog control language.

It has a Familiar User Interface

Like any well-known CAD systems, nanoCAD's operating principles are designed with drawing spaces, command lines, positions of menu items, and icons which requires no retraining. Users can switch between the modern ribbon and classic CAD user interfaces swiftly. Settings can be copied from one workstation to another. The visual interface of nanoCAD is custom-built with every aspect of nanoCAD.

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It has Technical Support

Whether you use CAD as part of your livelihood, or as part of your recreation, it's important to know that, when you need answers, you can get them. Customers with valid nanoCAD subscriptions are entitled to have Priority Support provided via email, our help-desk.

It has Permanent license

Without making a count of spreadsheets, nanoCAD makes it easy by providing permanent license. With permanent license users can avail 3 years updates in a very affordable price.

nanoCAD is really Cost Effective

download and try out nanoCAD free for 30 days to see what it’s like. Next, we suggest an annual subscription as the cost-effective way to gradually integrate nanoCAD into your office. Annual subscriptions are also handy for bulking up temporarily during large projects.

No learning required

No learning procedure required to use nanoCAD !!
User-friendly interface with software command helps you to customize your designs with shortcuts.

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Technical specification of nanoCAD

Features
Basic technologies
Native DWG format
DWG versions supported
BAK drawing backups, DWS drawing standards, .DWT drawing templates
Commands for creating and editing DWG files
Model space, paper space
Layer, block, line type, etc managers
Create and edit styles for text, tables, leaders, etc
SHX, TTF fonts
Create and edit tables, extract data to tables and to files
Support Dynamic Block
User-defined coordinate systems
Object snaps, object tracking, polar snap angles
Coordinate filters
External references
Place OLE objects in drawings
Import PDF and raster images
Explode and remove proxy objects
User Interface
Ribbon and classic interfaces
Customize commands, aliases, menus, toolbars, double-clicks, etc
Command auto completion
Dynamic input
Custom command creation
System variable monitor
Undo, redo previews
DWG Utilities
Purging of unused items, such as block definitions, layers, etc
Auditing of drawing file integrity and error correction
Recovery of damaged drawing files
Flattening 3D geometry to projected 2D representations

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Transmittal packages (eTransmit)
Comparison of similarities and differences of two drawings
Display drawing structure
Printing
Printing, publishing of drawing sets, batch plotting
Color dependent and named plot style table (CTB and STB)
Integrated PDF printer driver
Comments on SHX text in PDF files
Maintain DWG layering in PDF files
3D Modeling
Draw and edit 3D mesh objects
Draw and edit 2D and 3D solid objects (1)
Conversion of 2D objects to 3D objects (1)
Dynamic UCS
Importing and exporting 3D model in STL, SAT, STP, IGES, JT, X_T, X_B, VRML, and other formats (1)
3D constraints for mates, angles, tangents, symmetry (1)
Work planes, construction planes, axes
Parametric 2D design (1)
Parametric 3D design (1)
3D history
Import IFC
Point Clouds
Point cloud imports of LAS, BIN, PTX, PTS, PCD, XYZ files
Point cloud exports in LAS 1.2, LAS 1.4, BIN, XYZ formats
Point cloud display styles, point sizing
Point cloud cropping
Point clouds sectioning
Topoplan
Insert mapping from online services, such as Open Street Map, Google Maps, etc
Create and edit terrain areas (2)
Create reliefs, situation (2)
Import TXT, XYZ, Land XML, MIF, SHP (2)

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Display Civil objects (2)
Import survey data in the form of .csv, .txt or .dwg format
Create and Modify TIN models
Generate Contours
Raster Image Processing
Operations with raster images (JPEG, PNG, BMP, TIFF, etc)
Convert drawing objects into raster images
Raster clean-up with draw, erase
Raster four-point calibration
Save a raster image in drawing to file
Raster geometry correction, colour correction (3)
Raster operations, such as binarisation, colour reduction, debris removal (3)
Decrease color depth of color images to monochrome (3)
Semi- and fully-automatic digitization of raster images (3)
AEC
Drawing tools specific to AEC design, such as axes, elevation markers, etc (4)
Architectural design, such as parametric walls, windows, and doors (4)
Utilities for automated drawing, such as object numbering, detail copy, line markers, etc (4)
Generation of Bill of Materials
Schedules
Table of Contents
Mechanical Design
Drawing tools specific to mechanica design, such as weld seams, threads, etc (5)
Calculators for static beams, fasteners, section properties, etc (5)
Parts library (5)
APIs
OLE Automation with Visual Basic Script, JavaScript
C++
.NET
LISP (with DCL)
Script editor (JS, VBS, LISP, DCL, SCR)

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System Requirements	
Operating system: **Microsoft® Windows® 11; Microsoft® Windows® 10 (64-bit); Microsoft Windows 8.1 (64-bit).**	
Processor: **Minimum requirements: 2 GHz.**	**Recommended: 3 GHz or higher.**
RAM: **Minimum requirements: 4 GB.**	**Recommended: 16 GB and more.**
Monitor: **Minimum required resolution: 1920×1080.**	**Recommended resolution: 3840×2160.**
Hard disk: **Free space 7.0 GB and more.**	
Graphics: **Minimum requirements: graphics processor with 1 GB video memory Recommended: graphics processor with 4 GB video memory (supports OpenGL 2.1 or DirectX 11).**	
Licensing	
Workstation licensing	
Network licensing	
License borrowing	
Perpetual licenses (nanoCAD 3-year subscription includes perpetual license registration)	

Reference

(1) Function available in 3D Modeling module
(2) Function available in Topoplan module
(3) Function available in Raster module
(4) Function available in Construction module
(5) Function available in Mechanica module

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