DraftSight® 2020

Product Portfolio Guide

Overview:

DraftSight® helps users create new drawings and access existing DWG files with a powerful CAD solution that meets your 2D and 3D DWG file needs. DraftSight provides a better 2D drafting and 3D design experience for architects, engineers, and construction service providers, as well as professional CAD users, designers, makers, manufacturers, educators and hobbyists. DraftSight allows users to create, edit, view and mark up any kind of DWG file, and has a familiar user interface that facilitates a quick transition from a user's current CAD application. This product is brought to you by Dassault Systèmes, the **3D**EXPERIENCE® company, and provides flexible offerings for users to choose from:

- DraftSight Standard
- DraftSight Professional
- DraftSight Premium
- DraftSight Enterprise
- DraftSight Enterprise Plus

Benefits:

- Allows users to create, edit, view, and mark up any type of 2D and 3D DWG file
- Helps you reuse legacy drawings with reliable DWG data compatibility
- Provides flexible offerings to suit different business and budget needs
- Reduces time on drafting and documentation with powerful productivity tools
- Offers cost-effective 3D design tools for CNC machining and 3D printing
- Connects with other Dassault Systèmes products such as **3D**EXPERIENCE Marketplace, GEOVIA, DELMIA, SOLIDWORKS Electrical, SOLIDWORKS PDM, etc.
- Includes a familiar user interface to minimize learning curve
- Transitions easily from a user's current DWG application, including APIs
- Allows users to customize and automate DraftSight using macros and APIs
- Includes an affordable network license option that is easy to deploy and manage

Offerings:

DraftSight Standard
For individuals, students, educators, hobbyists and others that need a straightforward 2D CAD drafting solution with a familiar user interface.
- **Draw** tools to create basic elements such as lines, polylines, arcs, circles, ellipses, tables, hatches, clouds
- **Modify** tools to perform move, copy, rotate, mirror, pattern, scale, trim, chamfer, split
- **Dimensioning** tools to measure distances between objects
- **Layer** tools to organize a drawing
- **Blocks** to combine a collection of entities together into a single named object
- **Drawing Compare** to graphically compare entities between two drawing documents
- **Attach Drawing** to add an external reference to the current drawing
- **Print** to output a drawing to a plotter, printer or file
- **SVG scalable icons** to support high-resolution (4K) displays

This offering can be purchased online for a 12-month subscription and runs on Windows® and Mac. Email support for installation and activation is included.

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DraftSight Professional

For professionals and companies that need an advanced 2D CAD drafting solution with powerful, time-saving productivity functionalities and APIs to help bring your designs to life quickly and easily.

Some of the powerful DraftSight Professional productivity tools include:

- **All Standard features** that are listed in the DraftSight Standard section

- **Import of AutoCAD Dynamic Blocks** with the full configurability to reuse your legacy data and save time

- **Mechnical Toolbox** to quickly generate hardware, holes, balloons, bills of materials, welding and surface finish symbols
- **Automatically dimension and arrange annotations** to save time, improve consistency and reduce tedious manual tasks
- **Batch Printing** to send a set of drawings and sheets to printers in a batch job
- **Power Trim** to trim multiple, adjacent entities by dragging the pointer across each entity
- **G-Code Generator** to communicate with a CNC machine for fabrication
- **PDF Underlay** to attach pages of a PDF document to a drawing
- **Macro Recording** to start programming and record actions performed interactively within DraftSight
- **DraftSight APIs** to allow end users to customize and automate DraftSight
- **DGN Import** to directly import and convert the DGN drawing into a DraftSight for direct editing
- **Insert Centerlines** to allow selecting two segments and generate a centerline equally in-between
- **Pattern Along a Path** to create a pattern along with a predefined path
- **Split Dimension** to create a gap in dimension lines when dimensions are intersecting with other drawing entities, in order to give more clarity to the drawing
- **Curved Text** to place text along an arc to better control the text direction and location
- **Hairline** to allow machine to consume directly .dwg or .dxf file output for laser cutting
- **Image Tracer** to convert an imported raster image file (ex. floor plan, logo) into vectorized line entities
- **Formulas in Tables** to support basic formulas in table cell such as sum, count, average, equations
- **Trim Hatch** to modify and trim the existing hatch patterns

This offering can be purchased online for a 12-month subscription and runs on Windows® and Mac. Email support for installation and activation is included.

DraftSight Premium

For individuals, designers, makers, manufacturers, professionals, and companies that need a robust 2D drafting and 3D design experience to help meet your drafting, modeling, prototyping, manufacturing, laser cutting and 3D printing needs. It includes all the time-saving productivity functionalities and APIs in addition to full 3D tools and constraints capabilities that are exclusive to the Premium version.

- **All Professional features** that are listed in the DraftSight Professional section

- **3D Modeling** tools to create geometrical shapes (ex. Box, Pyramid, Cylinder), more complex 3D objects using Extrude, Loft, Revolve, etc. and to generate 3D surfaces using variety of mesh tools
- **Constraints** to control drawing entities parametrically by specifying geometric and dimensional properties of entities

This offering can be purchased online for a 12-month subscription and runs on Windows® and Mac. There is a free 30-day trial available at **DraftSight.com/FreeTrial**. Email support for installation and activation is included.

DraftSight Enterprise

For large organizations with many users or multiple sites that need an advanced 2D CAD drafting solution with time-saving productivity functionalities and APIs to help bring your designs to life quickly and easily. It includes full technical support, deployment and a network license to enable concurrent usage across the organization.

- **All Professional features** that are listed in the DraftSight Professional section
- **A network license** to enable concurrent usage and compliance across the organization
- **The Deployment Wizard** to enable large groups of users to install or upgrade DraftSight
- **Full technical support** to answer questions or troubleshoot issues related to DraftSight

This offering can be purchased through a reseller and is available as subscription or non-subscription (one-time purchase). It runs on Windows® with a minimum of two licenses SolidNetWork License (SNL) is required. Should a customer prefer Dassault Systèmes License Server (DSLS), the minimum order is five licenses. Email and telephone full technical support is included.

DraftSight Enterprise Plus

For large organizations with many users or multiple sites that need a robust 2D drafting and 3D design experience to help meet your needs on drafting, modeling, prototyping, manufacturing, laser cutting and 3D printing. It includes all the time-saving productivity functionalities, APIs, full technical support, deployment, a network license in addition to the full 3D and constraints capabilities that are exclusive to Enterprise Plus version.

- **All Premium features** that are listed in the DraftSight Premium section
- **A network license** to enable concurrent usage and compliance across the organization
- **The Deployment Wizard** to enable large groups of users to install or upgrade DraftSight
- **Full technical support** to answer questions or troubleshoot issues related to DraftSight

This offering can be purchased through a reseller and is available as subscription or non-subscription (one-time purchase). It runs on Windows® with a minimum of two licenses SolidNetWork License (SNL) is required. Should a customer prefer Dassault Systèmes License Server (DSLS) the minimum order is five licenses. Email and telephone full technical support is included.

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Special notes

Differences in Windows and Mac versions

Due to differing software architecture, the following features are not yet available in DraftSight offerings for Mac: Image Tracer, HomeByMe Integration, Drawing Compare, 3D ContentCentral Integration, and network licensing.

End of Life Operating Systems

As Microsoft and Apple plan the end of life of legacy operating systems, DraftSight is planning ahead as well. Therefore, DraftSight 2020 will be the last release supporting Windows 7 (32 and 64 bit), and Window 8.1 (32 and 64 bit). Please upgrade your operating system if you plan to use DraftSight 2021 or future releases.

DraftSight Product Matrix

FEATURES	DraftSight®2020				
	Standard	Professional	Premium (3D)	Enterprise	Enterprise Plus (3D)
ESSENTIAL TOOLS					
Draw Tools *(Line, Polyline, Arc, Circle, Ellipse, Table, Hatch, Cloud, Block…)*	✓	✓	✓	✓	✓
Modify Tools *(Move, Copy, Rotate, Array, Scale, Trim, Chamfer, Split…)*	✓	✓	✓	✓	✓
Layer, Block, Group, Print	✓	✓	✓	✓	✓
Standard Compliant Drawings	✓	✓	✓	✓	✓
Polyline Editing	✓	✓	✓	✓	✓
Auto-Hiding of Palettes	✓	✓	✓	✓	✓
Community Forum Support	✓	✓	✓	✓	✓
Entity Highlighting	✓	✓	✓	✓	✓
Hatch Layer	✓	✓	✓	✓	✓
Discarding Duplicate Entities	✓	✓	✓	✓	✓
Quick Modify: Copy/Move/Rotate/Scale	✓	✓	✓	✓	✓
Insert Centerlines	✓	✓	✓	✓	✓
SVG scalable icons for HD displays	✓	✓	✓	✓	✓
Hairline Option for Printout	✓	✓	✓	✓	✓
Pasting to Active Layer	✓	✓	✓	✓	✓
Layer Preview	✓	✓	✓	✓	✓
Block - Redefine Base Point	✓	✓	✓	✓	✓
PRODUCTIVITY TOOLS					
Mechanical Toolbox *(BOM, Revision Table, Hardware, Holes, Welding/Surface/Finish Symbols)*		✓	✓	✓	✓
Design Resources Library		✓	✓	✓	✓
Batch Printing		✓	✓	✓	✓
Drawing Compare †	✓	✓	✓	✓	✓
Pattern Along a Path		✓	✓	✓	✓
Automatic Dimensioning*		✓	✓	✓	✓
Automatic Dimension Arrangement*		✓	✓	✓	✓
Automatic Dimension Line Gaps after Repositioning*		✓	✓	✓	✓
Thumbwheel on the Dimension Palette*		✓	✓	✓	✓
Right Click to Select Arrow Heads*		✓	✓	✓	✓

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Feature					
Split Dimension		✓	✓	✓	✓
Mass Properties Calculations		✓	✓	✓	✓
Auto-Completion Commands		✓	✓	✓	✓
Arrow Key Nudging Entities		✓	✓	✓	✓
Quick Input Methods		✓	✓	✓	✓
Curved Text		✓	✓	✓	✓
Spiral, Helix		✓	✓	✓	✓
Using Formulas in Table Cells		✓	✓	✓	✓
Viewport Layer Freezing		✓	✓	✓	✓
Block Attribute Manager		✓	✓	✓	✓
G-Code Generator		✓	✓	✓	✓
Predefined Layer Support		✓	✓	✓	✓
Dimension Snap Offset Distances		✓	✓	✓	✓
Power Trim		✓	✓	✓	✓
Dimension – Auto-Placing with Widgets		✓	✓	✓	✓
Image Tracer †		✓	✓	✓	✓
PREMIUM TOOLS					
3D Tools			✓		✓
Constraints			✓		✓
INTEROPERABILITY TOOLS					
AutoCAD® Dynamic Blocks Import*	✓	✓	✓	✓	✓
3DEXPERIENCE® Marketplace Integration	✓	✓	✓	✓	✓
HomeByMe Integration †		✓	✓	✓	✓
3D ContentCentral Integration* †		✓	✓	✓	✓
3DEXPERIENCE, GEOVIA, DELMIA, SOLIDWORKS Electrical, PDM Connectors		✓	✓	✓	✓
PDF Import/Convert & Underlay	✓ **	✓ **	✓ **	✓ **	✓ **
DGN Import/Convert & Underlay		✓	✓	✓	✓
CUSTOMIZATION TOOLS					
Application Programming Interface (API)		✓	✓	✓	✓
Macro Recording		✓	✓	✓	✓
ENTERPRISE TOOLS					
Network License				✓	✓
Deployment Tool				✓	✓
Technical Support (Telephone, Email)				✓	✓

* *New feature in DraftSight 2020*
† *Feature currently unavailable in Mac versions*
** *3rd Party PDF Import/Convert for DraftSight Plugin available*

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