



	CorelDRAW [®] Technical Suite 2017	CorelDRAW [®] Technical Suite X7	CorelDRAW [®] Technical Suite X6	Corel DESIGNER [®] Technical Suite X5
Access and repurpose technical design assets				
Compatibility with latest file formats Choose from more than 100 up-to-date vector graphics, bitmap image, document and other data file formats supported for import and export capabilities. Expanded file format support includes .SVG, .CGM, .DWG and .DXF, .PDF, TIFF and Adobe CS/CC (AI, PSD).	100+ ENHANCED!	100+	100+	100+
AutoCAD .DWG / .DXF support Improved and updated support for .DWG (AutoCAD, CorelCAD™ and others) and .DXF ensures easy, error-free data conversion. Enhanced support for editable dimensions in .DWG/.DXF files on import and export.	✓ (R2.5 – v2016)	✓ (R2.5 – v2015)	✓ (R2.5 – v2013)	(✓)
Micrografx Designer support (DSF, DRW, DS4) Backward compatibility with Micrografx Designer helps you work seamlessly with legacy files.	✓	✓	✓	✓
3D import Import, view and modify 3D models, including AutoCAD .DWG and .DXF, 3D Studio (.3DS), IGES (NEW!) and Virtual Reality Modelling Language (VRML).	✓ ENHANCED!	✓	✓	✓
RAW camera support Import and adjust RAW camera files directly from your digital camera, and preview changes in real time.	✓ (UPDATED)	✓	✓	✓
Vectorization of scanned blueprints Smoothly convert bitmaps and scanned images into editable vector graphics with Corel® PowerTRACE®.	✓	✓	✓	✓
Native 3D CAD support (optional add-on) Open and work with the latest 3D CAD file formats, including CATIA, PTC Creo (formerly Pro/ENGINEER), SolidWorks, Inventor, NX, IGES, STEP, JT and more.	✓ ENHANCED! Lattice3D Studio CAD Corel Edition 2017	✓ (Lattice3D Studio CAD Corel Edition)	✓ (XVL Studio 3D CAD Corel Edition)	✓ (Deep Exploration™ CCE)
Advanced content organizer The refined Corel CONNECT™ provides access to all included content, while also helping you acquire additional content from online vendors. Work with several trays concurrently, which gives you increased flexibility for organizing assets for multiple projects.	✓ ENHANCED!	✓	✓	✓
Syncing trays with Microsoft OneDrive Sync Corel CONNECT trays with Microsoft OneDrive for cloud-based access to your projects on other computers or mobile devices.	✓	✓		

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Access and repurpose technical design assets				
Content Exchange Access and share all types of content with the built-in Content Exchange, including various fills, high-quality clip art and professional templates	✓	✓	✓	
Create technical illustrations with precision				
Projected drawing tools Draw directly on parallel projected planes, including isometric, diametric, or custom projections, to create the illusion of a 3D image.	✓	✓	✓	✓
Enhanced isometric drawing tools Obtain more precision and exactness with the UI controls in Corel DESIGNER® that consider the scale of the projected axes according to the settings of the active projected plane.	✓			
Technical illustrations from 3D Use the "Send to Corel DESIGNER" feature to transform 3D views into clear vector illustrations.	✓	✓	✓	✓
Marketing graphics from 3D Use the new "Send to CorelDRAW" feature to transform 3D views into vector graphics for creative design works with CorelDRAW.	✓			
Insert 3D model Insert a 3D model into a Corel DESIGNER document as an interactive 3D model (XVL file) with a high-res preview.	✓	✓	✓	
Outline position Capture intended drawing shapes more precisely with the new Outline Position tool.	✓	✓		
Parallel line drawing tool Speed up the creation of technical graphics with the Parallel Drawing mode in Corel DESIGNER.	✓	✓		
Hatch fills Fill objects with vector hatch patterns to clearly distinguish materials or object relationships.	✓	✓	✓	✓
Equation Editor Manage mathematical formulas as editable elements within technical illustrations using the integrated Equation Editor.	✓	✓		
Connector line tools Quickly and easily add advanced connector lines to flowcharts and business diagrams.	✓	✓	✓	✓
Projected dimensions The projected dimension options eliminate the need to draw and project dimension objects in multiple steps.	✓	✓	✓	

✓ = Feature included (✓) = Limited feature availability

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Create technical illustrations with precision				
Drawing scale control Manipulate the drawing scale from the toolbar at any time for precise technical illustrations.	✓	✓	✓	(✓)
Dynamic guides and alignment tools Temporary guidelines appear when you create, resize, or move objects with suggested alignments to existing elements. Gravity snapping, dynamic guidelines and alignment guides help position objects precisely in relation to other objects.	✓	✓	✓	(✓)
Callout tools Add callouts in a single click, with leader lines, halos, text and more. Dynamic callouts link to source object metadata to make updating callouts fast and easy.	✓	✓	✓	(✓)
Hotspot capabilities Use the Object Data Manager in Corel DESIGNER to add interactive functionality to callout and other graphical shapes within technical publications.	✓ ENHANCED!	✓	✓	(✓)
Optimize geometric objects Convert curves to ellipses and fix disconnected curves by using the advanced Join Curves docker.	✓	✓	✓	✓
Enhanced Boundary tools Expand the effectiveness and reach of a border with a new option that allows users to extend curves when creating a boundary using the Boundary tool or the Smart Fill tool in Corel DESIGNER.	✓			
Geometric information dialog box Access geometric information, such as the length, perimeter, and area of objects.	✓	✓	✓	✓
Live-preview precision illustration Use the Object Coordinates docker to specify coordinates for new or modified objects with onscreen preview to immediately see the results of changes.	✓ ENHANCED!	✓	✓	✓
LiveSketch™ drawing tool Get right to work with the state-of-the-art LiveSketch tool, based on the latest developments in Artificial Intelligence and Machine Learning. Transform free form sketching into precise vector curves directly on a pen-enabled device. Best of all, you'll eliminate the time-consuming task of sketching on paper, scanning and tracing to vector.	✓			
Enhanced vector previews, custom node shapes, and handles Choose custom colors for previews, nodes, and handles that will stand out against underlying colors, and help you edit objects more efficiently. Choose the node shapes that best suit your workflow.	✓			
Vector and bitmap pattern fills Preview, apply, and interactively transform both vector pattern and bitmap pattern fills using enhanced controls in the Object Properties docker. You can also save fills you've created or modified using the new FILL format.	✓ ENHANCED!	✓	(✓)	(✓)

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Create technical illustrations with precision				
Knife Tool The enhanced Knife tool lets you split vector objects, text, and bitmaps. You can split single objects or groups of objects along any path.	✓ ENHANCED!	(✓)	(✓)	(✓)
Edit Fill dialog box The Edit Fill dialog box in CorelDRAW and Corel DESIGNER gives you more efficient access to all available fill controls, and provides a real-time preview as you make adjustments.	✓ ENHANCED!	✓	(✓)	(✓)
Support for Real-Time Stylus (RTS) Enjoy a more natural drawing experience and achieve more expressive results with the native support for Microsoft Surface, and advanced stylus support. You can now take full advantage of the pressure and tilt of your RTS-compatible pen, tablet or device to control your brushstrokes in CorelDRAW, Corel DESIGNER and Corel PHOTO-PAINT.	✓			
Hide and display objects Corel DESIGNER and CorelDRAW allow you to hide objects and groups of objects, helping you edit objects in complex projects and experiment with your designs more easily.	✓			
Smoothing vector objects Remove jagged edges and reduce nodes in curve objects with the Smooth tool.	✓			
Smear, Twirl, Attract and Repel Explore creative options for refining your vector objects.	✓	✓	✓	
Eyedropper Use enhanced Eyedropper and Paint Bucket tools to efficiently copy color, object properties, effects and transformations from one object to others.	✓	✓	✓	✓
Smart Fill tool Quickly apply a fill to any enclosed area of an object.	✓	✓	✓	✓
Halos on curves Ensure that diagrams, instructions, and flowcharts are easy to read by using halos on curves.	✓	✓	✓	✓
Tables Create and import tables to provide a structured layout for text and graphics.	✓	✓	✓	✓
QR Code generator Create time-saving QR codes with Corel DESIGNER and CorelDRAW and add scalable QR codes to a drawing. (Internet connection required for validation)	✓	✓		

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Create technical illustrations with precision				
Expanded tool collection* Increase the options within your design toolbox by downloading applications, plug-ins, and extensions directly from within Corel DESIGNER, CorelDRAW and Corel PHOTO-PAINT.	✓			
Image editing				
Photo editing application included Use a professional image editor to adjust and refine photos and images.	✓ (Corel PHOTO-PAINT 2017)	✓ (Corel PHOTO-PAINT X7)	✓ (Corel PHOTO-PAINT X6)	✓ (Corel PHOTO-PAINT X5)
High-quality renderings from 3D With shading capabilities including textures, lights, shadow mapping and ambient occlusion you can output 3D views as photo-realistic images for professional photo-editing with Corel PHOTO-PAINT.	✓	✓	✓	✓
Stylus support Take advantage of pressure, bearing, tilt, and rotation when using the touch-up tools, the Eraser tool, the Paint tool, and other brush tools. What's more, you can experiment with rotation, flatness and elongation settings to get an even greater range of artistic possibilities.	✓			
Correct perspective distortions You can now correct perspective distortions in photos that have straight lines and flat surfaces such as architectural photos and photos of buildings.	✓			
Straighten image Quickly and easily straighten images with interactive controls.	✓	✓	✓	✓
Healing Clone The new Healing Clone tool in Corel PHOTO-PAINT lets you fix imperfections seamlessly by painting with sampled texture that matches the color of the surrounding area.	✓			
Gaussian Blur effect The Gaussian Blur special effect in Corel PHOTO-PAINT is available as a lens that lets you blur images non-destructively.	✓	✓		
Liquid tools In Corel PHOTO-PAINT, four pressure-sensitive Liquid tools—Smear, Attract, Repel, and Twirl—offer fresh creative options for retouching photos.	✓	✓		
Interactive brushstroke transparency and feathering Use modifier keys to interactively adjust the transparency and feathering of brushstrokes.	✓	✓		

*In order to access this collection of tools, you need to be connected to the Internet. Purchase and authentication of CorelDRAW Technical Suite 2017 are required.

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Image editing				
Special effects Corel PHOTO-PAINT introduces new camera effects, including Bokeh blur, Colorize, Sepia Toning, and Time Machine.	✓	✓		
Pass Through Merge Mode Achieve greater control when applying a lens or effect to a group of objects.	✓	✓		
Unsharp Mask Lens Sharpen photos by increasing the contrast of adjacent pixels while preserving both high- and low-frequency details, such as edges and large structures.	✓	✓		
Planar Mask tool Use the Planar Mask tool in Corel PHOTO-PAINT to define a feathered editable area along parallel lines. When combined with a blur effect, you can simulate depth of field, giving focus to a particular object while blurring areas outside the planar mask.	✓	✓		
Lens corrections Adjust your images to remove pincushion and barrel distortions with the new Correct lens distortion slider in the Straighten Image dialog box.	✓	✓		
Smart Carver Easily remove unwanted areas from a photo and simultaneously adjust the photo's aspect ratio.	✓	✓	✓	
Photo effects Spice up your photos with Vibrance, Grayscale and Photo Filter effects.	✓	✓	✓	✓
Tone curve adjustments Adjust image tone with more accuracy and precision.	✓	✓	✓	✓
Image Adjustment Lab Easily and efficiently adjust photos with the powerful Corel PHOTO-PAINT application.	✓	✓	✓	✓
Cutout Lab Draw a line with a marker around a selection and let this tool efficiently determine the background to be removed from the relevant portion of a photograph to be used.	✓	✓	✓	✓
Maintain style and consistency				
Object Styles and Style Sets Ensure consistent styles, including externally referenced symbols, and layout throughout your design projects. Use Style Sets to make edits once to have changes applied instantly throughout a project.	✓	✓	(✓)	

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Maintain style and consistency				
Object Styles previews Preview a style before it's applied with the new pop-up in the Object Styles docker.	✓			
Color Harmonies Group a document's color styles so that you can quickly and easily produce iterative designs with varying color schemes.	✓	✓	(✓)	
Color management Set application color policies to achieve the most accurate color representation with the Default Color Management Settings dialog, which gives greater control to advanced users.	✓ ENHANCED!	✓	✓	✓
Create Clip Mask option Apply a clip mask on a group of objects without modifying the individual objects within the group.	✓			
Page numbering Add page numbers on all pages of a document, starting on a specific page, or with a particular number. Numbers are automatically updated when you add or delete pages.	✓	✓	✓	
Master Layers Incorporate page-specific headers, footers and page numbers into technical communication documents.	✓	✓	✓	(✓)
Special characters, symbols, and glyphs The revamped Insert Character docker presents all characters, symbols and glyphs associated with a selected font, making it easier than ever to find these items and then insert them into your documents.	✓	✓		
Font embedding Embed fonts when you save CorelDRAW or Corel DESIGNER documents so that recipients can view, print, and edit the document exactly as designed.	✓	✓		
Font Manager Corel Font Manager lets you easily handle, organize, and explore your typeface and font collections by giving you tools to control every aspect of your typography workflow.	✓			
Font list box With the new Font list box in Corel DESIGNER, CorelDRAW and Corel PHOTO-PAINT, you can view, filter, and find fonts easily.	✓			
Advanced OpenType support Take greater advantage of advanced OpenType typography features, such as contextual and stylistic alternates, fractions, ligatures, ordinals, ornaments, small caps, swashes, and more.	✓	✓	✓	
Complex script support Built-in complex script support ensures proper typesetting for glyphs used by Asian and Middle Eastern languages.	✓	✓	✓	

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Publish to technical communication standards				
PDF output Output PDF files, with support for latest Adobe Acrobat files, heightened security encryption, and the ISO-compliant PDF/A archiving format.	✓ ENHANCED!	✓	✓ (Adobe Acrobat X support)	✓ (PDF 1.7, PDF/A)
3D PDF Publishing Publish to 3D PDF with interactive viewing of 3D content in combination with other visual and text elements.	✓	✓		
Translation Memory System (TMS) support Reach a worldwide audience with a new option that allows you to send text content from your graphics file in Corel DESIGNER to Translation Memory Systems (TMS) using XLIFF standard, and receive translated content from TMS.	✓ ENHANCED!	✓		
CGM V4 (WebCGM, ATA Grexchange, ActiveCGM) Work with industry-standard CGM profiles for interactive technical documentation with hotspots. Corel DESIGNER 2017 offers an advanced CGM export dialog, and includes support for latest ATA iSpec 2200 up to (incl.) 2016.1.	✓ ENHANCED!	✓	(✓)	(✓)
WebCGM 2.0, 2.1 + S1000D support Create, interchange, and deliver standardized technical illustrations for Interactive Electronic Technical Manuals (IETM) and Illustrated Parts Catalogs (IPC), now including support for S1000D Issue 2.3 – 4.1.	✓ ENHANCED!	✓	(✓)	(✓)
SVG output Publish SVG, the HTML 5 supported vector graphics file format for online publication of scalable graphics. When automated as a background task, it enables advanced integration with Technical Authoring systems and any Content Management System (CMS).	✓ ENHANCED!	✓	✓	✓
EPS Level 3 support Import and output Postscript 3 files with full support.	✓	✓	✓	✓
Preflight Control Perform a quality check before printing, exporting or publishing your file to PDF. Preflight Control identifies issues and potential problems, and provides suggestions for resolving them.	✓	✓	✓	✓
Publish 3D online and to mobile devices Save 3D models to XVL format and share 3D visualizations online or on mobile devices with free Lattice3D Player and iXVL apps.	✓	✓	✓	

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User Interface				
Touch-friendly user interface Tablet Mode support helps you sketch on the fly and make quick adjustments using touch or a stylus. Plus, the new Touch workspace streamlines the UI to maximize the size of your drawing window by displaying only the tools and commands you're most likely to use.	✓			
Microsoft Surface support CorelDRAW Graphics Suite and Technical Suite 2017 offer native Microsoft Surface Dial support on Windows 10. Use the CorelDRAW, Corel DESIGNER and Corel PHOTO-PAINT applications in the suite, to experience one of the most unique ways to create and interact with technology.	✓			
Import legacy workspaces Match your desktop environment to the way you work best. CorelDRAW Technical Suite 2017 offers more UI customization options than ever before, allowing you to tailor your design space with a unique look.	✓			
Welcome Screen The new Product Details page in the Welcome screen is your one-stop source for the latest on the suite and your user account. Learn about your product or subscription, account status, product updates, available resources, workspace selection and the new Upgrade Program.	✓ ENHANCED!	✓	✓	✓
Workspaces Choose from a variety of workspaces designed for different proficiency levels and specific tasks: Lite for beginners, Technical Illustration for pros doing isometric illustrations, Diagramming for pros using flowcharts and diagrams, and the Adobe Illustrator and Adobe Photoshop workspaces for new Corel DESIGNER and Corel PHOTO-PAINT users coming from other applications.	✓ ENHANCED!	✓	✓	✓
Support for UltraHD 5K display An updated interface and support for 5K displays let you comfortably view the applications on even UltraHD (ultra high definition) monitors.	✓			
Advanced multi-monitor support CorelDRAW, Corel DESIGNER and Corel PHOTO-PAINT function reliably across multiple monitors of varying DPI, on all supported operating systems.	✓			
Customize Desktop color You can change the color of the desktop, the area surrounding the drawing page in Corel DESIGNER and CorelDRAW or the image in Corel PHOTO-PAINT to suit your documents.	✓	✓		
Fully scalable and customizable UI You can adapt your design space to your needs with the updated and fully customizable interface. Newly designed icons allow scaling up to 250%. You can lighten or darken the application background by choosing a theme.	✓			
Simple customization Tailor the toolbox, dockers, and property bars to suit your workflow using the Quick Customize buttons.	✓	✓		

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User Interface				
Overflow buttons For tablet and mobile device users, overflow buttons indicate the presence of additional tools, dockers and controls that don't fit within the workspace.	✓	✓		
Multiple document interface Work with multiple documents in a tabbed view.	✓	✓		
Undocking documents Drag a document outside of the application window to undock it when working with multiple documents.	✓	✓		
Performance, speed and efficiency				
Native 64-bit computing Benefit from the speed of native 64-bit applications when processing large files and images.	✓	✓	✓	
Optimized for Windows 10 With support for Windows 10, you can confidently use CorelDRAW Technical Suite on the latest Windows operating system.	✓			
Multi-core support Complete your tasks faster with powerful performance enhancements that leverage multi-core processing to maximize your computer's power.	✓	✓	✓	
Dynamic product updates Get immediate access to the latest product updates, new content, and tips and tricks.	✓			
Context-sensitive Object Properties docker The redesigned Object Properties docker has a new tab option that presents only one group of formatting controls at a time, making it easier to focus on the task at hand. Fine-tune your designs with object-dependent formatting options.	✓ ENHANCED!	✓	✓	✓
Freehand Pick tool Use the Freehand Pick tool to select an object or group of objects by dragging a freehand marquee around them.	✓	✓	✓	
CorelDRAW included Take on a wide range of vector illustration and page layout projects with graphic design powerhouse CorelDRAW.	✓	✓	✓	✓

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Content				
Symbols (referenced graphics objects) Reduce file size and work on common objects by defining and updating an object once and reusing it many times. Access more than 4,000 symbols through built-in symbol libraries, and create custom libraries for standard components.	✓	✓	✓	(✓)
Professional clipart Kick start your creativity with over 10,000 clipart images and more than 2,000 vehicle templates for your designs and projects.	✓	✓	(✓)	(✓)
High-quality photos Enhance your designs with 2,000 high-quality photos at your creative disposal.	✓	(✓)	(✓)	(✓)
Specialized fonts Choose from an extensive font selection that contains over 1,000 professional fonts.	✓	✓	(✓)	(✓)
Design templates Get going quickly with more than 375 professionally designed templates, incl. 40+ technical ANSI, DIN, and ISO standard templates	✓ ENHANCED!	✓	(✓)	(✓)
Deployment and Automation				
Windows Installer (MSI) support Efficiently deploy software with MSI support and a Deployment Guide available for IT administrators	✓	✓	✓	✓
Multilingual software deployment When purchasing volume licenses (with maintenance or as subscription licenses) the CorelDRAW products are provided as multi-lingual installers for deploying the applications in selected or all available languages from one central package.	✓ ENHANCED!	✓	✓	✓
Automation capabilities Create macros and add-ins using the built-in automation interface. Easily create connections to Content Management Systems (CMS), Product Lifecycle Management (PLM) and Product Data Management (PDM) Systems.	✓ ENHANCED!	✓ (VBA 7.1 & VSTA 2012)	✓ (Microsoft Visual Basic for Applications (VBA) 7.1)	✓ (VBA 6.4 & Microsoft Visual Studio Tools for Applications)
Developer Community site With support from the new Developer Community site, you can create your own automation tools. Visit www.community.coreldraw.com/sdk .	✓	✓		

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Purchasing Options				
Learn more about the product and your account The new Product Details page in the Welcome screen keeps you up-to-date on the suite and your user account.	✓ ENHANCED!	✓		
Upgrade Program Stay current with the affordable new CorelDRAW Upgrade Program. This easy-to-own plan gives you the latest full version of CorelDRAW Technical Suite with all of its applications.	✓			
Multi-Seat license Purchase multi-seat licenses and benefit from attractive volume discounts and software deployment options to install with a single serial number for use by all licensed users.	✓	✓	✓	✓
Perpetual Licensing option Purchase a permanent license, with purchase of a box/download or volume license, to own the software for perpetual use.	✓	✓	✓	✓
Subscription Licensing option Get more out of CorelDRAW Technical Suite with a subscription offer for single-user or multi-seat licenses. The annual subscription gives you another choice to use the software your way.	✓	✓		

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