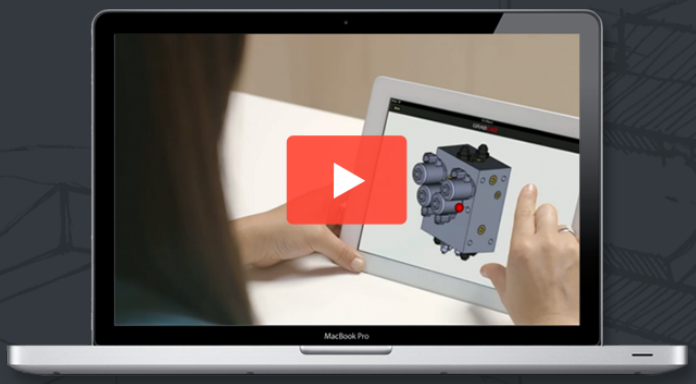
⚠ **We're saying goodbye to Workbench on June 1, 2023.** Read details here

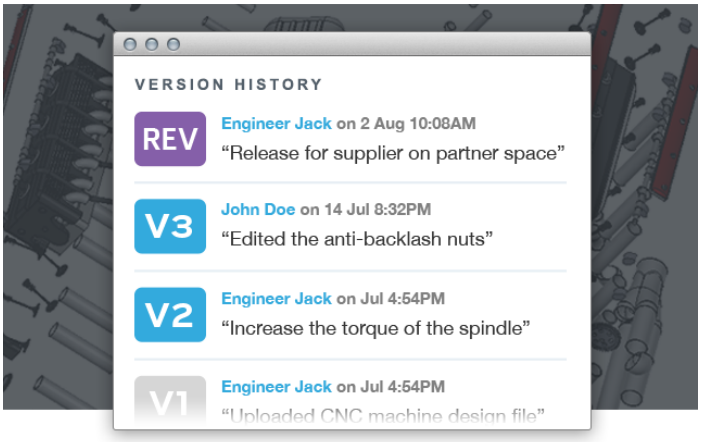
GrabCAD Workbench

CAD collaboration tool that works the way engineers do



Never lose a file version

Versions are automatically created when you save files so that you can focus on building products.



Track your versions

The Workbench Desktop app is used to sync and track all file versions your team creates.

Update your team

When a new version of the file is created, you entire team receives the latest version.

Restore any file

If something goes wrong, restore a file or entire assembly to any point in time.

Reuse your past work

Make it easy for your team to reuse existing components instead of creating new ones.

Search custom properties

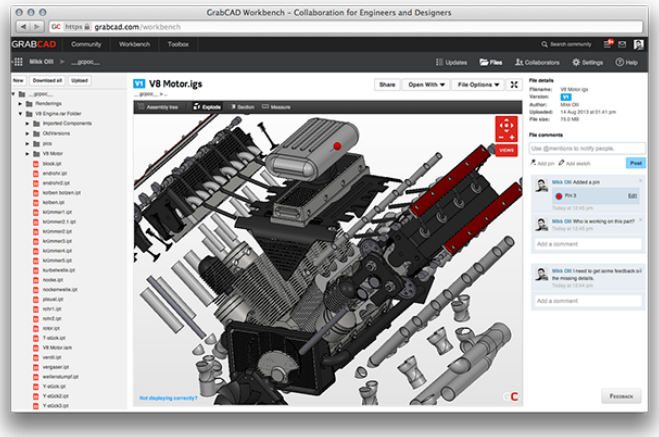
Search filters let you easily find and re-use parts or assemblies from previous projects.

Setup common parts library

Allow designers to use a single component in multiple designs without having to re-create it in each assembly file.

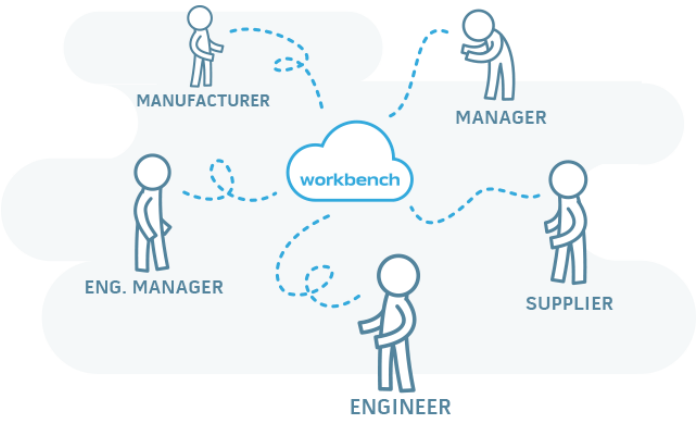
Work inside your CAD system

Upload and download files and resolve conflicts using an add-in to your CAD system.



Great for distributed teams

View all your team's updates on one project feed and securely share files with external collaborators.



Stay on the same page

Conversations are kept with files so that you can spend less time in email, and more time building great products.

Collaborate with the world

Share specific file versions and revisions externally with your manufacturers, suppliers, and other stakeholders with a single click.

Generate dynamic BOMs

Easy-to-use BOM export capability enables any Workbench user to generate a Bill of Materials with just a few clicks.

See Workbench Features

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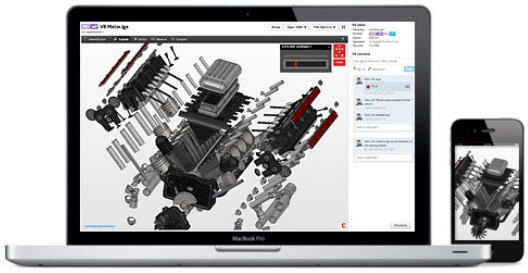
Features

GrabCAD Workbench offers a full set CAD collaboration tools to ensure that engineers and partners can find the right CAD file, avoid duplicate work, and get input from everyone involved.



User-controlled desktop sync

Link desktop files to files in online Workbench projects and upload changes when you choose, keeping local files up to date.

Works inside your CAD system

Upload and download files as well as resolve conflicts through an add-in to your CAD system.

File locking

Lock files for exclusive edit while letting the rest of the team know. Project owners can always override the lock.

Download as neutral format

Save a Workbench CAD file in a neutral (STEP, IGES, STL) format even if it's uploaded in a proprietary format.

Partner Spaces

Release product data to customers and manufacturers without them seeing all of your project data -- or each other.

Visual version comparison

Visually overlay two versions of a model to see what has changed.

Revision management

Ensure that your team is always working off the right version to avoid wasted time and manufacturing mistakes.

Automatic version backup + restore

Automatically tracks file versions, lets you browse version history, and instantly restore older versions.

CAD agnostic

Supports all major CAD formats.

Web-based viewing of CAD models and drawings

Anyone can immediately see and markup a CAD model right in their web browser - no downloads or installs.

Markup and communication tools

Markup tools let viewers start conversations and create sketches right on the model, while email alerts keep team members up to date.

Available anywhere you go

Mobile application lets users work from anywhere and share models with others away from their desktop.

Security you can trust

GrabCAD takes the security of your data very seriously - learn more about our approach to security.

Compare Workbench

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Compare Workbench to

Dropbox | File server | FTP

How is Workbench different from Dropbox?

CAD associativity

Workbench understands all the associativity of different CAD systems for effective version control and back-up.

Custom synchronization

You control when to sync your work-in-progress to the server — teammates and partners receive new file versions when you say so.

Custom access permissions

The in-browser 3D viewer can be set to view-only mode or to a mode that allows partners to only download neutral files.

Feature comparison

	Dropbox	Workbench
Upload files and folders	✔	✔
Data encrypted with SSL, stored securely	✔	✔
Works on all browsers	✔	✔
Mobile access to files	✔	✔
Archives old versions	✔	✔
Manage your bill of materials		✔
Search for parts and assemblies using metadata		✔
Sync files in local directory to online project		✔
Control upload/download of shared files		✔
Users able to see 3D CAD models in browser		✔
Sketches and comments direct on 3D model		✔
CAD files maintain assembly structure		✔
Measure 3D models in the browser		✔
View-only role to prevent data leakage		✔

Compare Workbench to File server or FTP

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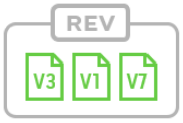
How is Workbench different from File server?



Version control

The full history of every file is always available. Who changed it, when, and what they did.

Remote access is built-in

Your distributed team, suppliers, customers, and manufacturers can securely access whatever you want them to access whenever you want them to access it.

Performance

You are always working on a local file — the fastest and most stable way to run a CAD system.

Feature comparison

	File server	Workbench
Multiple users can access same files	✔	✔
Access files directly from desktop CAD system	✔	✔
Mobile access to files	✔	✔
Archives old file versions	✔	✔
Manage your bill of materials		✔
Search for parts and assemblies using metadata		✔
User can lock files to prevent conflicts		✔
Data securely accessible to chosen outsiders		✔
Control upload/download of shared files		✔
Users able to see 3D CAD models in browser		✔
Sketches and comments directly on 3D models		✔
Measure 3D models in the browser		✔
View-only role to prevent data leakage		✔

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Compare Workbench to

Dropbox File server FTP

How is Workbench different from FTP?

Works outside your firewall

Share and collaborate with distributed members of your project with just a few clicks.

No IT

No expensive internal server implementation or maintenance needed.

Easy to use

Everyone will be up to speed in minutes instead of months.

Feature comparison

	FTP	Workbench
Upload files and folders	✔	✔
Data encrypted with SSL, stored securely	✔	✔
Works on all browsers	✔	✔
Mobile access to files	✔	✔
Archives old versions		✔
Manage your bill of materials		✔
Search for parts and assemblies using metadata		✔
Sync files in local directory to online project		✔
Control upload/download of shared files		✔
Users able to see 3D CAD models in browser		✔
Sketches and comments direct on 3D model		✔
File controls maintain assembly structure		✔
Measure 3D models in the browser		✔
View-only role to prevent data leakage		✔

Compare Workbench to Dropbox or File server