



# BARRIERS TO 3D CAD

Some things work better together, like 2D and 3D CAD—but many manufacturers fall for using just one or the other. What misconceptions are holding you back from getting the best of both?

## Barrier #1: Won't we have to migrate, redo, or lose all our legacy data?

Your legacy data is safe with 3D. Associative connections allow you to use data across 2D and 3D platforms, no matter what tool originally created it. Take a case-by-case approach to pick the best tool for the job at hand. Here are a couple approaches to consider:

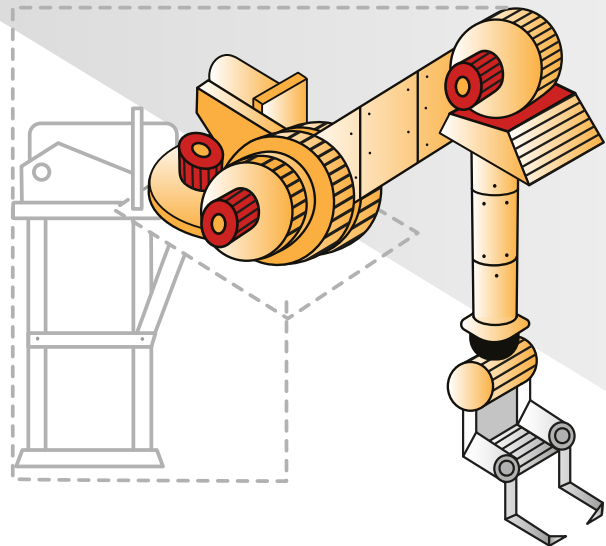
**Keep it in 2D**—It's flexible and fast for minor changes and conceptual design.

**Bring it into 3D**—Generate models from your 2D data for automated workflows and easier editing. 3D is also useful for applications like:

- Design validation
- Rendering
- Configuration
- NC toolpaths



Almost **50%** of manufacturers reported concerns around collaboration between 2D and 3D.



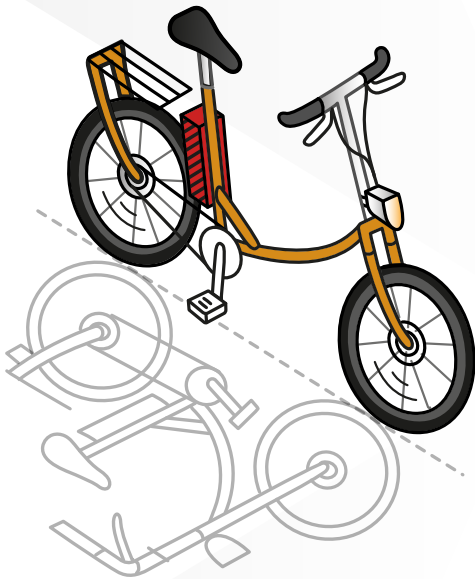
## Barrier #2: Our 2D software is working just fine—we don't need 3D

2D and 3D CAD work better together. Adding 3D helps you improve efficiency and get more from your designs with features like:

- Advanced simulation
- Automated modeling workflows
- High-quality visualizations
- CAM integration

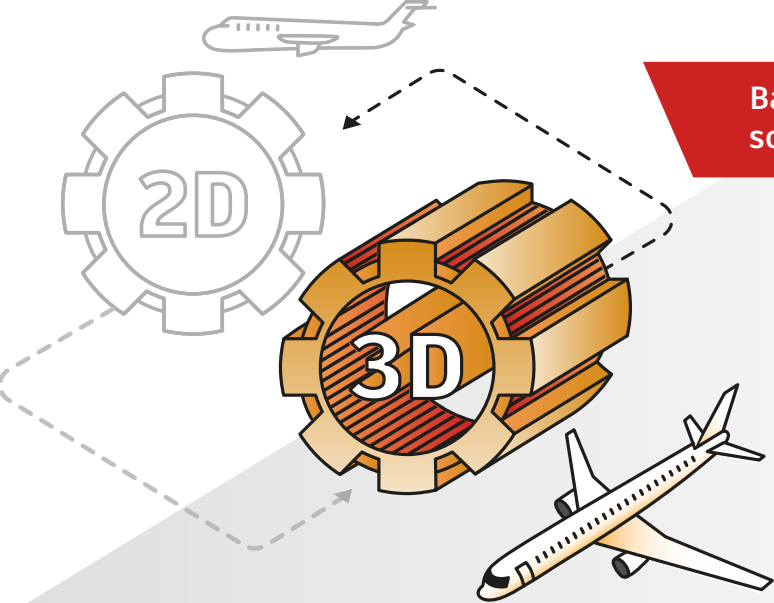
## Barrier #3: Simple designs don't require 3D software

Even the simplest part has something to gain from 3D CAD. Besides, even if 2D CAD seems like the faster and easier option upfront, the output is still a 2D drawing that doesn't contain all the information needed to actually develop a 3D product, nor does it readily meet downstream needs. Partnering both tools maximizes productivity across the development process.



## Barrier #4: Implementing new 3D CAD software will slow us down

Since 2D and 3D work together, you can adopt 3D at your own pace without missing a beat. No need to worry about downtime due to migration or flipping the switch from one to the other.



## Barrier #5: Isn't 3D CAD expensive?

The cost of 3D CAD will be returned over and over again in:

- Efficiency gains
- Reduced waste
- Improved product quality
- Value offered to your customers



Watchmaker Ulysse Nardin saved as much as **\$30,000** in prototyping production costs after adopting 3D CAD.



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