

FreeCAD

Fully Parametric CAD program

Available For Linux, Windows, & Mac
Imports and Exports 40 file types

Free

No cost

Open Source (source code available)

Runs Locally

Can't be downgraded

No need to share files

No internet needed

Customizable

10 mouse input styles

CAD, Blender, TinkerCAD, Touchpad ...

Runs and Records Python Macros

Extendable

Organized in Workbenches

A Workbench is a collection of tools

Ships with 20 Workbenches

Part, Part Design, CAM, FEM, Spreadsheet ...

200 addons available

Macros, Libraries, Workbenches ...

I mostly use the Part Design Workbench

Part Design Workbench

Tools

Sketch, Pad, Revolve, Loft, Boolean

[Learn FreeCAD for 3D Printing - Complete Quick and Easy Guide \(Beginner\) - YouTube](#)

Resources

FreeCAD documentation (Help tab)

YouTube has many FreeCAD tutorials

Mango Jelly Solutions

Adventures in Creation

DigiKey