

PRODUCTIVITY STUDY HIGHLIGHTS

Benefits of AutoCAD Toolsets

The toolsets bring dramatic increased productivity and significant time savings to common AutoCAD® design tasks

STUDY SUMMARY

Every subscription to AutoCAD includes access to AutoCAD and seven industry-specific toolsets. Autodesk commissioned an outside consultant to conduct studies about each of the seven specialized toolsets. Across seven different studies, the average productivity gain was about **63%** for tasks completing using a specialized toolset.*

HOW THE TOOLSETS HELP SAVE TIME:

**Architecture toolset**

*(Time savings with the Architecture toolset up to **61%**)*

Purpose-built architectural design tools help eliminate errors and provide accurate information to the user, allowing more time for architectural design.

**Mechanical toolset**

*(Time savings with the Mechanical toolset up to **55%**)*

Includes tools designed for mechanical engineering with specialized commands, calculation functions, layer management systems, updating bill of materials (BOM), and intelligent drafting tools.

**Electrical toolset**

*(Time savings with the Electrical toolset up to **95%**)*

Purpose-built electrical design tools that help eliminate errors and provide accurate information to manufacturing, allowing more time for design and engineering.

**Plant 3D toolset**

*(Time savings with the Plant 3D toolset up to **74%**)*

Helps plant designers create and edit Piping & Instrumentation Diagrams (P&IDs). It is used to generate and modify process plant models in order to produce piping isometrics and piping orthographic drawings.

**MEP toolset**

*(Time savings with the MEP toolset up to **85%**)*

Contains tools geared to mechanical, electrical, and plumbing professionals in the building industry. The various workspace environments (electrical, HVAC, piping, plumbing, and schematic) include individual palettes and domain-specific ribbons to optimize specific workflow tasks.

**Map 3D toolset**

*(Time savings with the Map 3D toolset up to **60%**)*

Built specifically to create and modify software-based design and documentation productivity for users working with Geographical Information Systems (GIS). Purpose-built data management and mapping tools minimize errors and provide more accurate information to the user, allowing more time for mapping geographical data.

**Raster Design toolset**

*(Time savings with the Raster Design toolset up to **48%**)*

Provides raster design tools to edit scanned drawings and covert raster images to DWG™ objects. Purpose-built raster and vector tools help with image cleanup and editing, allowing more time for design.

*Productivity data based on a series of studies commissioned by Autodesk to an outside consultant. The seven toolset studies compared basic AutoCAD to the specialized toolsets within AutoCAD when performing tasks commonly done by experienced AutoCAD users. Overall productivity gain calculation based on adding the completion times of specific tasks in the toolset and also in basic AutoCAD and then calculating the percent difference between the two totals across seven studies. As with all performance tests, results may vary based on machine, operating system, filters, and even source material. While every effort has been made to make the tests as fair and objective as possible, your results may differ. Product information and specifications are subject to change without notice. Autodesk provides this information "as is", without warranty of any kind, either express or implied.

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