KOMPAS-3D

MCAD software solutions developed by ASCON are famous for their powerful functions.

They are easy-to-use with a comfortable interface, reasonable pricing, and strong compatibility with other systems.

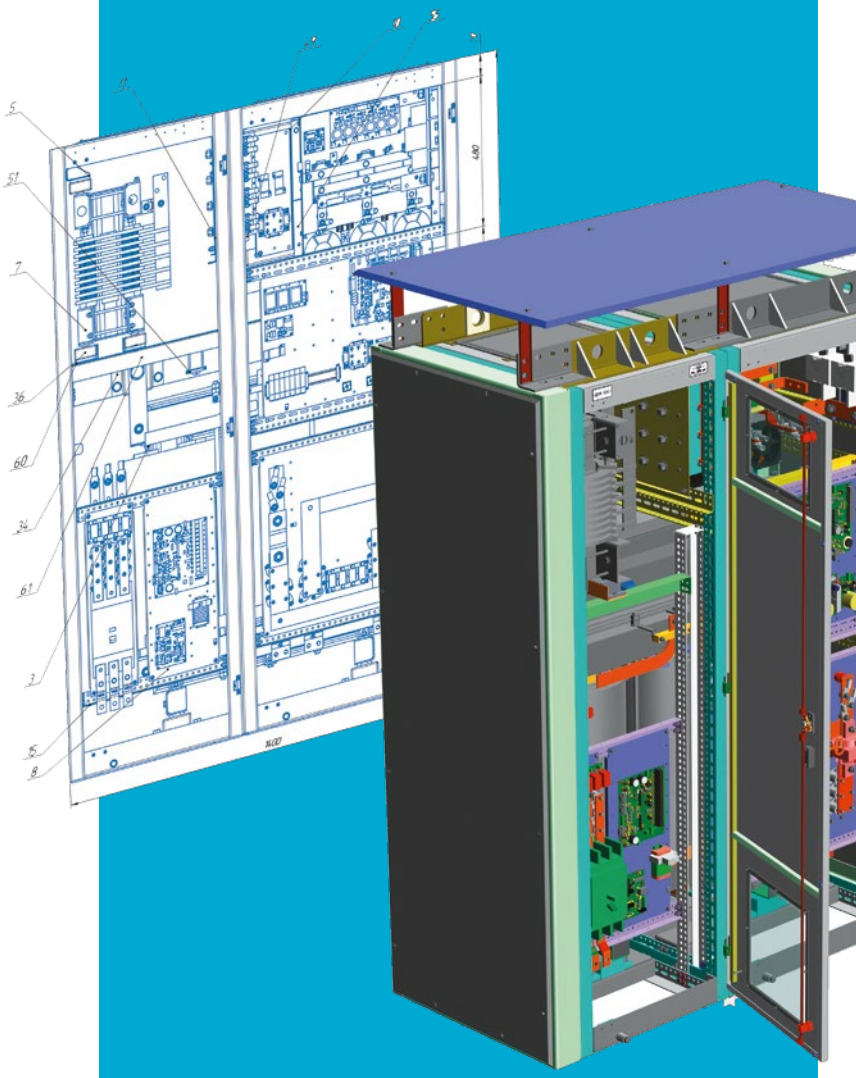
Electro-mechanical design with KOMPAS-3D

KOMPAS-3D for Electro-mechanical Design

KOMPAS-3D is a mechanical CAD solution for parametrically designing parts and assemblies as 3D solid models. KOMPAS-3D effectively designs electro-mechanical systems, and then generates the related design and drafting documentation.

KOMPAS-3D key features and benefits:

- Operates as a 3D parametric solid modeler that supports an unlimited number of parts and assemblies
- Incorporates the KOMPAS-Graphic solution for 2D drafting and design
- Provides advanced 3D sketching tools that enable users to design skeleton structures
- Flexibly edits parts and assemblies
- Quickly creates engineering and design documentation, such as assembly drawings, BOMs, and detail sheets
- Includes libraries of standard symbols and parts
- Imports and exports most of the common CAD and standard formats, including IGES, SAT, STL, Parasolid XT, STEP-242, JT, VRML, GIF, TIFF, JPG, and Windows Metafile formats
- Works with IDF files exported from P-CAD (v2000-2006), OrCAD (v9.X), Mentor-Graphics, and Altium Designer
- Requires minimal hardware



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KOMPAS-3D add-ins

KOMPAS-3D

Sheetmetal Design

KOMPAS-3D provides electro-mechanical designers with a rich collection of functions for sheetmetal modeling. These include the creation of bends, holes, louvers, fillets, punching (stamping), cuts, and cap closing of sheetmetal bodies. When the design is complete, KOMPAS-3D unwraps the sheetmetal model, and then creates associative drawings of the unwrapped design.

Standard Parts for KOMPAS-3D

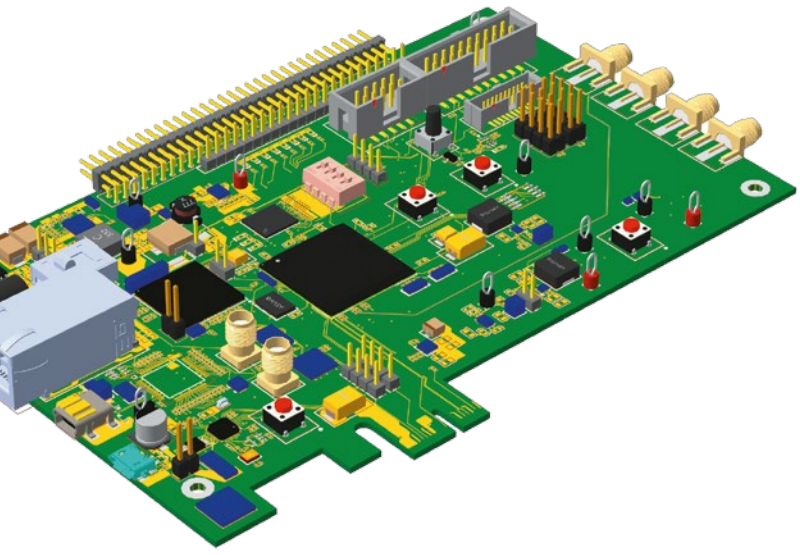
The ASCON Standard Parts library is an add-in application supplied with KOMPAS-3D that provides designers with a database of fasteners based on DIN and ISO standards.

Cables and harnesses

Cables 3D add-in performs of effective electric harness and cable design for KOMPAS-3D.

Cable 3D key features and benefits:

- 3D models of electric cables and harnesses for designing various electronic and electromechanical devices, construction design, as well as for fire-signaling and security systems;
- calculation of cable and harness lengths;
- calculation of mass parameters for cables and harnesses;
- creation of assembly drawings for harnesses and cables;
- creation of the assembly drawings specifications.



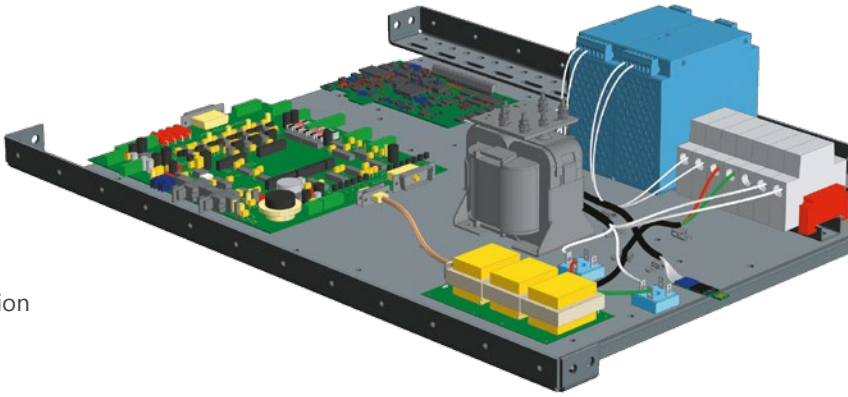
Download your 30-day KOMPAS-3D trial from www.ascon.net

eCAD-KOMPAS-3D Converter

The eCAD-KOMPAS-3D Converter add-in is a specialized module for importing 3D printed circuit board models via the standard IDF data exchange format. The converter works with IDF files exported from the following systems:

- Altium Designer
- Mentor Graphics
- P-CAD versions 2000 through 2006
- OrCAD version 9.X and higher
- Protel

(It is also possible to import boards developed on the Pulsonix system.)



Once imported into KOMPAS-3D, the 3D models of printed circuit boards are then used to arrange other devices, blocks, equipment modules, and so on.

The eCAD 3D Converter add-in works with three types of PCB designs: non-realistic, realistic, and mixed type models:

- Non-realistic PCB models are simplified 3D images;
- Realistic PCB models are recreated from existing 3D models of electrical products;
- Mixed type models are created when users do not have all the necessary elements for the realistic mode; the mixture consists of realistic and dimensional models.

If necessary, all the components of the board's assembly model can be accompanied by BOM (bills of material) items. This form of circuit board BOM is generated directly from 3D models of assemblies.

3D-Storage

A collaborative environment and tools for designers including:

- File versions management
- Instant change notification
- Local and remote teamwork
- Top-down design technology support

Two 3D-Storage licenses are available for free. For more options please contact your local ASCON software reseller.