

Accelerate, Innovate and Automate  
the design expertise with  
**nanoCAD** **Mechanica**

nanoCAD Mechanica is a 2D standalone drafting and design application with a large library of standard parts and tools designed to help automate design tasks and for mechanical drawings creation. nanoCAD Mechanica is an industry accepted parametric design engineers working on top of nanoCAD.

nanoCAD Mechanica offers automation of routine work while strictly adhering to corporate and market standards; thus leaving the design engineers to concentrate on the creative part of new designs and solutions. nanoCAD Mechanica will help you create innovative designs, reduce errors and save time.

## Functional nanoCAD Mechanics include a typical set of design tools, including :

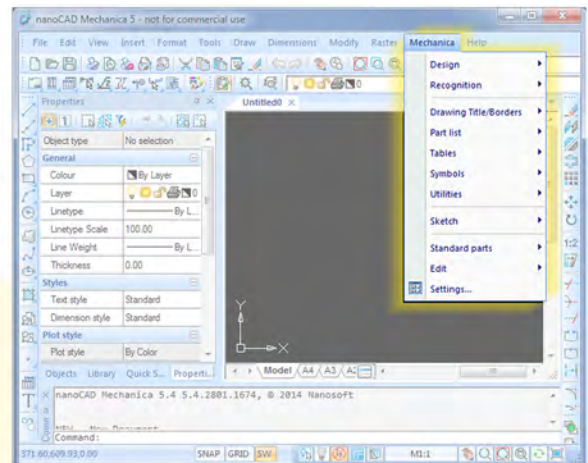
- ✓ Convenient interface that allows quick transition from other CAD or from paper design;
- ✓ Two-dimensional parametric module dependencies;
- ✓ A built-in table editor;
- ✓ Standard and custom line types, hatch types, font style;
- ✓ Auto-fit tolerances and deviations;
- ✓ Built-in text editor with spell checking;
- ✓ Three-dimensional design module;
- ✓ Support for multi-sheet drawings;
- ✓ Management procedure rendering and overlay graphics;
- ✓ Numerous methods of dimensioning and process notation;
- ✓ Automated normative control text designations;

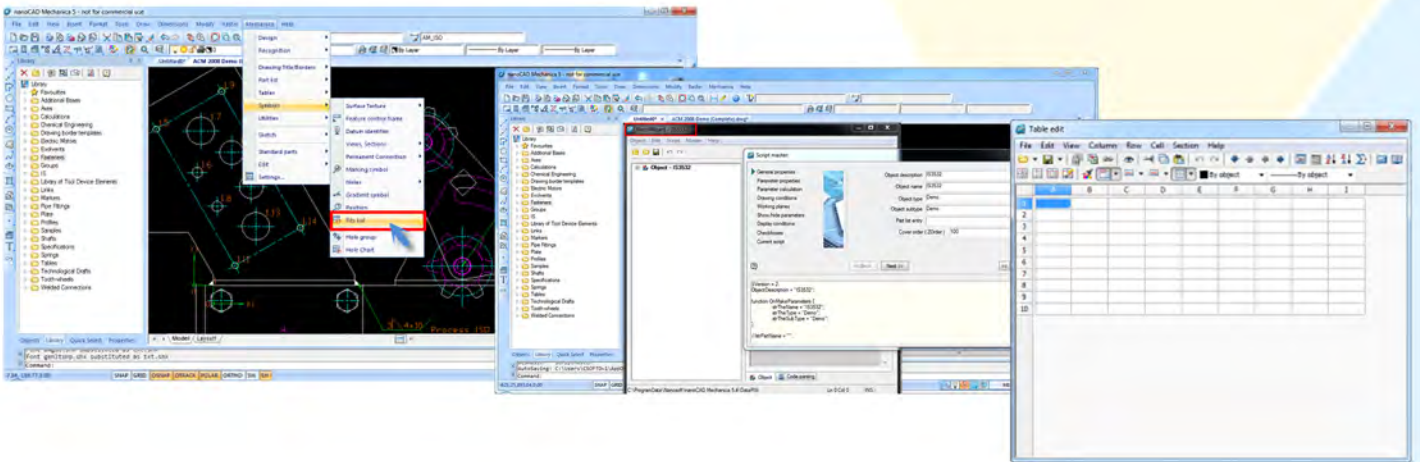


## Who can use nanoCAD Mechanics?

nanoCAD Mechanics is developed especially for mechanical engineers, designers and drafters, providing them with opportunities in the field of automation of design as well as construction work in various areas of the manufacturing industry.

When designers create mechanical designs using nanoCAD Mechanics, they avoid tedious routines and repetitive manual tasks normally required to get the job done. nanoCAD Mechanics helps designers accelerate design, decrease development time and deliver their products to market - faster!





## Library of standard and unified elements

Fastening details

Database technology tools

Springs

Standard profiles

Armature piping inner and outer cone

Base main scans of sheet metal parts



## Part list

- ✓ Automatic part list
- ✓ Creation of custom part list.

Everything you need from drafting to advanced parametric design is in the nanoCAD Mechanical. Nearly 3000 parts are already in the Parts Library. Everything is supported by several national standards, shrink-wrapped and ready to go in one single solution.



## Belt and Chain Drives

The base of standard elements has been considerably extended with standard products and structural elements for belt and chain drives. The new version includes such elements as:

- ✓ Pulleys for flat-belt, vee-belt, poly V-belt, and toothed-belt drives.
- ✓ Sprockets for single- and multiple-strand chain drives..

## Flanges

The following standard items have been added to the flange catalog:

- ✓ Slip-on flanges.
- ✓ Butt-welded flanges.



## Dairy Couplings DIN 11851

- ✓ Cone fittings.
- ✓ Thread fitting.

## ASAHI Bearing Assemblies

- ✓ Light duty.
- ✓ Normal duty.



## Other Database Elements

- ✓ Single-stage toothed planetary gear motor.
- ✓ Two-stage toothed planetary gear motor.

## Ordinate-angular and angular chain dimensions

- ✓ Selecting a sequence of commands: Dimension -> Angular -> Ordinate allows to set an ordinate-angular dimension.
- ✓ The start and end of an ordinate-angular dimension are bound to the drawing geometry; the dimensions are re-built upon changing the latter.