



Overview

GstarCAD Mechanical 2024





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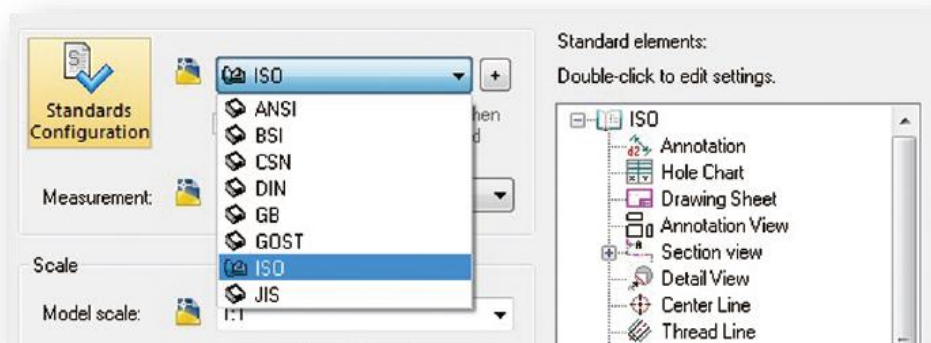
Manufacturing Solutions

GstarCAD Mechanical 2024 drafting/design software, covers all fields of mechanical design. It supplies the latest standard parts library, symbol and dimensioning tools in line with standards in different countries being compatible with ACM drawings from 6 (2002) to latest (2018). The standardized mechanical design enhances efficiency of designers and helps them complete accurate product ideas.

Standard & Efficient Mechanical Design

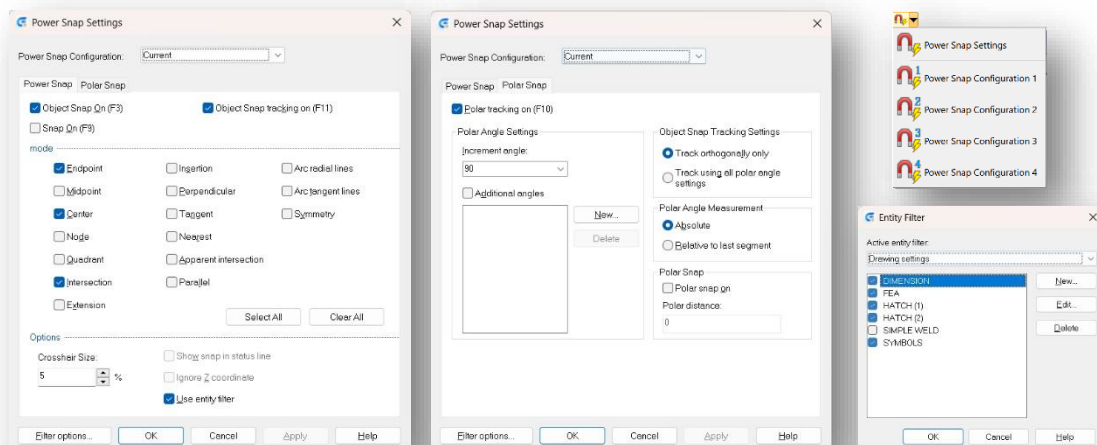
Standards-based

GstarCAD Mechanical 2024 supplies international drafting standards like ANSI/BSI/CSN/DIN/GB/GOST/ISO/JIS that are super customizable, helping engineers to meet design requirements by simplifying mechanical design process in the global marketplace consistently.



Power Snap

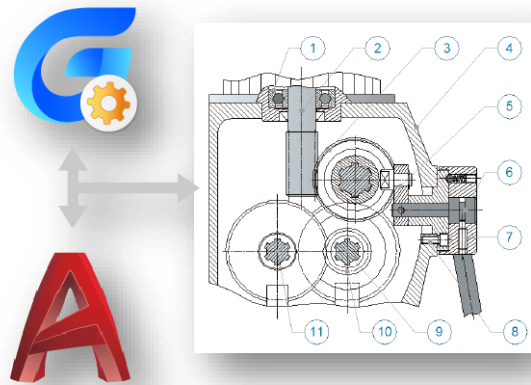
On the basis of Object Snap, which enable users to specify precise locations for objects, Power Snap allows users to save four configurations of Object Snap and Polar Snap to meet their needs for different uses, and users can switch between them in the middle of a command. Besides, users can also use Entity Filter to set filters, so that snap ignores objects they don't need while drawing, like dimension, hatch, etc.



Format Compatibility in Bi-direction

Seamlessly Data Displaying

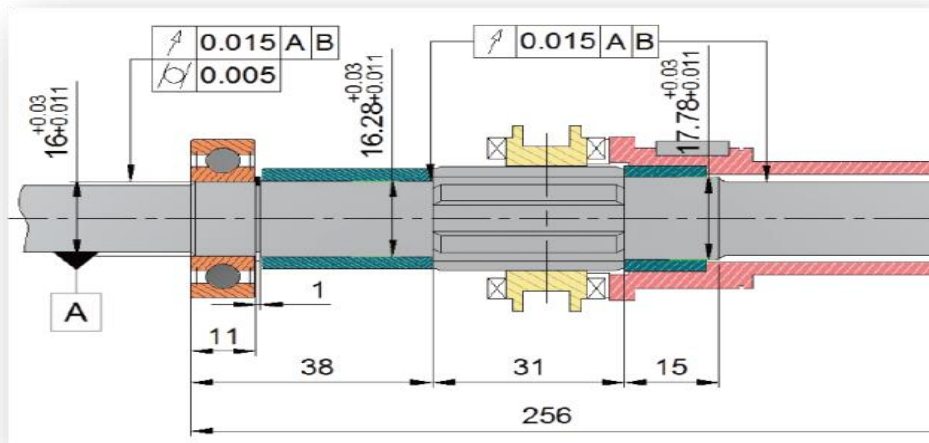
GstarCAD Mechanical 2024 could accurately read and display the complete underlying data of ACM drawings and vice versa. Seamlessly data display including title blocks, balloons, part list, BOM, surface texture, feature control frame, welding symbols and so on.



Easier Mechanical Documentation with Dimensioning Tools and Symbols Annotation

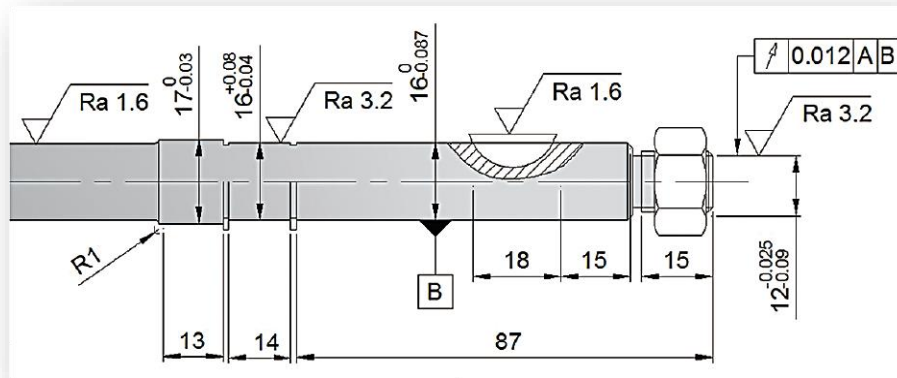
Dimensioning Tools

Power dimension tool makes dimensioning easier by setting up variables relevant to manufacturing, as well integrates tolerance and fit list information. Multiple dimension tool creates batch dimensions effortlessly that are appropriately spaced. Dimension edit tool quickly stretch, add or combine dimensions and inspect dimensions, as well help users edit dimensions accurately.



Symbols Annotation

Save time on annotation input by relying on more than 11 kinds of symbols like surface texture, feature control frame, welding symbol, datum identifier and target, taper & slope, edge symbol and so on. What's more, users could add any new created symbol to the symbol library. The symbols can be attached on target objects or dimensions and automatically adapt to drawings by moving or scaling.

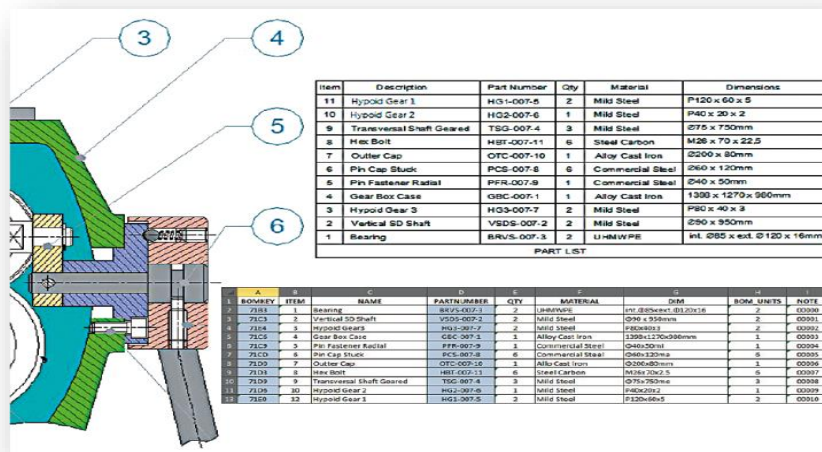


Accurate Data Management

BOM Data, Balloon and List

The BOM could display component parts features comprehensively. It coordinates all data information of component parts and control changes of global. GstarCAD Mechanical 2024 supports extraction BOM data from DWG files for better reuse, promoting more efficient and accurate exchange of design data and facilitate earlier collaboration between design and manufacturing workgroups.

The balloon and list functionalities are associated with mechanical parts and keep updated when detected parts information changing. Reduce cost of some mistaken information caused by recording, recognition and sorting.

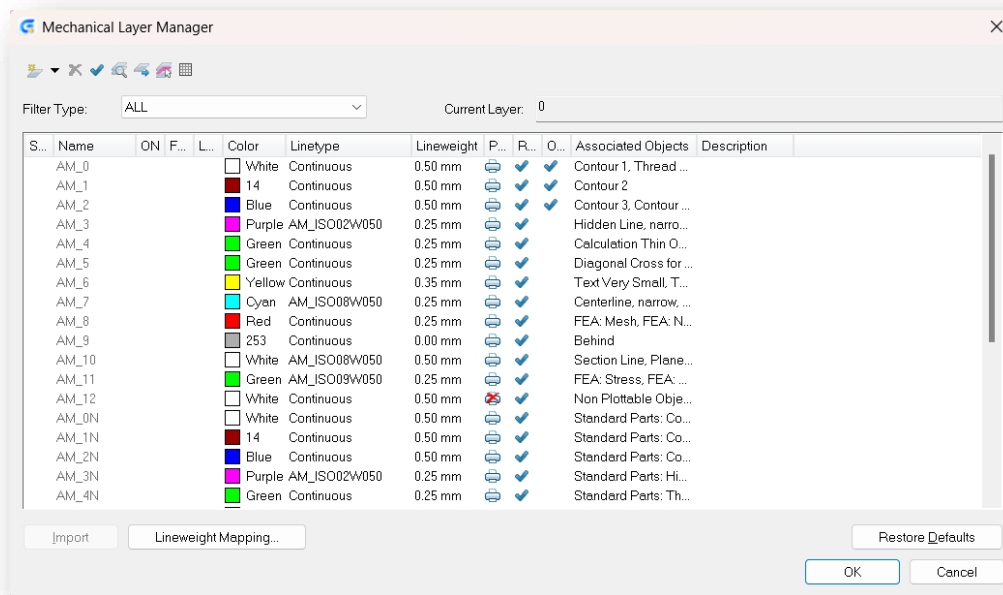


Variety of Mechanical Tools and Practical Features

Mechanical Layer Manager

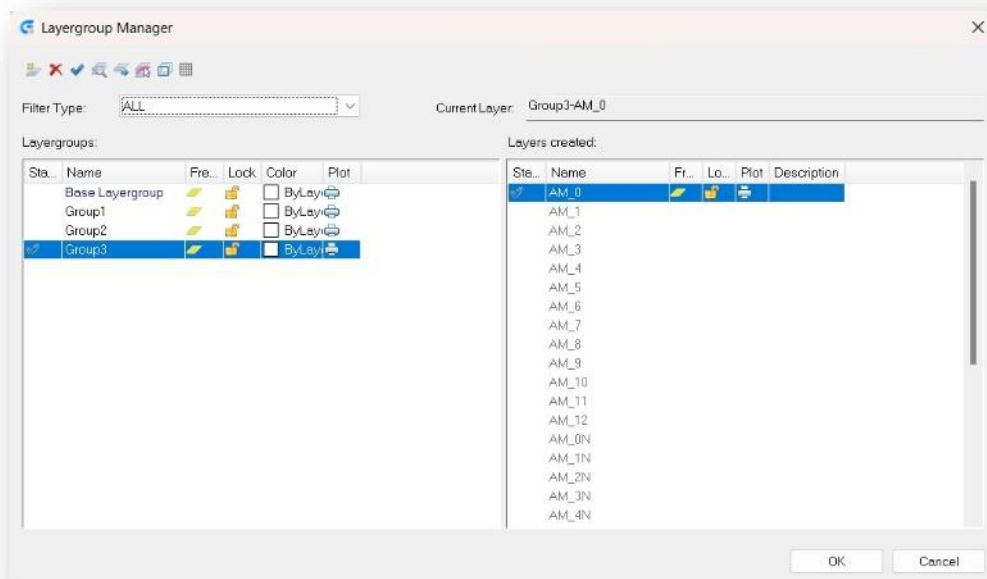
There're 31 pre-configured Mechanical Layers associated with different objects. Mechanical Layer Manager also

enable users to adjust properties of these layers like color, linetype, lineweight and even create customized new layers. When creating geometry/objects, their predefined layer will be activated automatically and they will be created on them, making drawing process much more convenient.



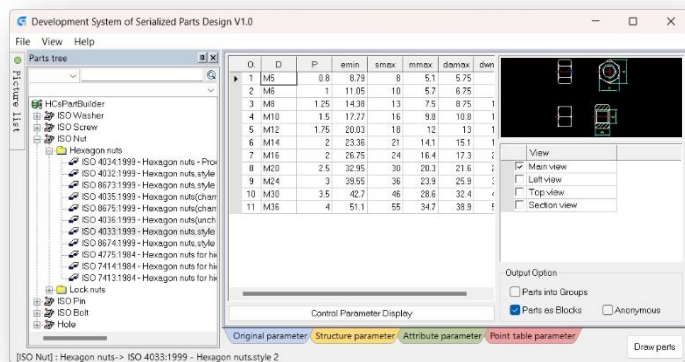
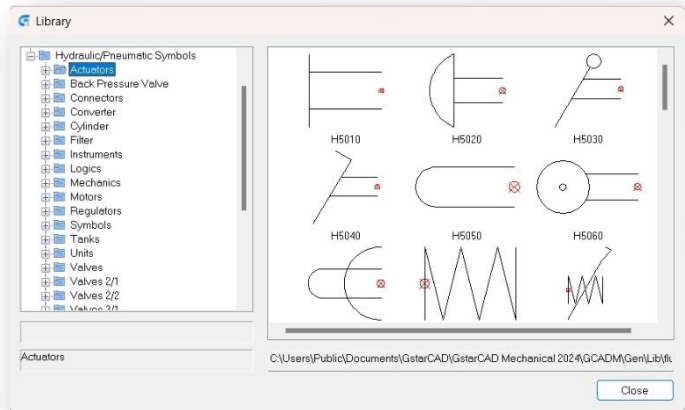
Layer Group Manager

For drawings that are more complicated, GstarCAD Mechanical provides Layer Group Manager to create multiple layer groups, each layer group contains a set of Mechanical Layers. It also contains tools like Visibility Enhancements, Move Into, Highlight etc., which will help users organize and simplify design work.



Other Key Features Supported

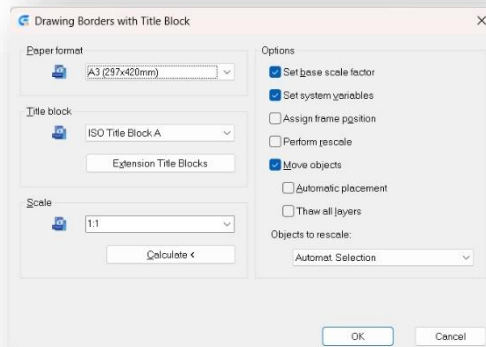
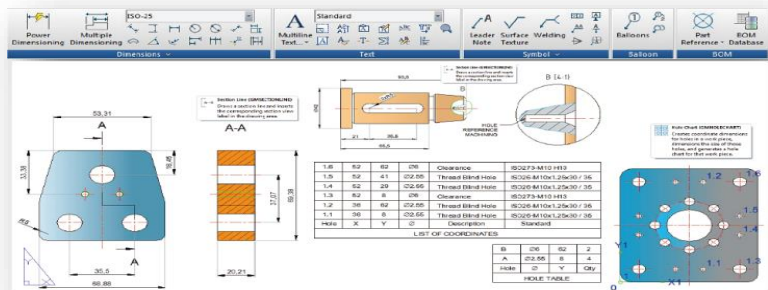
- ★ Serialization Part Design System
- ★ Library
- ★ Dimension Edit Tool
- ★ Leader Note Tool
- ★ Fillet Tool, Chamfer Tool
- ★ Wave Line, Smart Line and Symmetric Line
- ★ Calculate Area
- ★ Statistical Block
- ★ Scale X, Y, Break at One Point, One-quarter Mirror
- ★ Dynamic Extensions and Join Entities
- ★ Shaft Design, Spring Design
- ★ Super Card



Automatic Generation of....

Achieve in Few Clicks

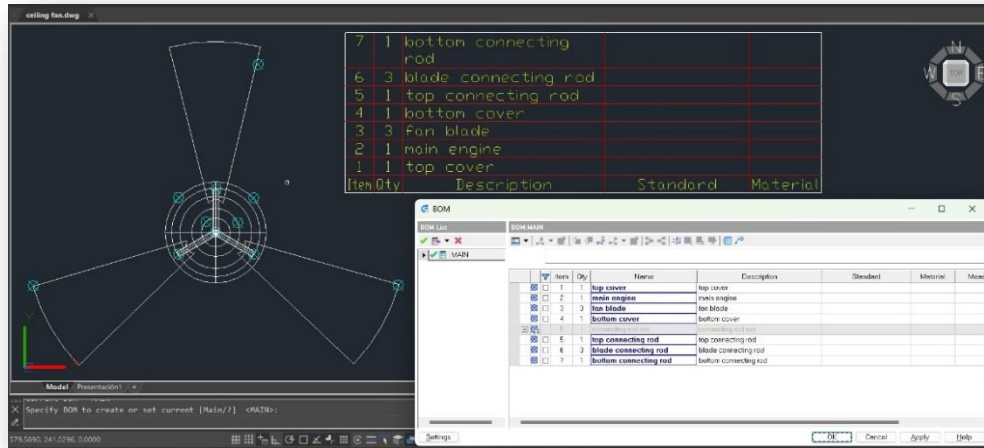
- ★ Detail Views
- ★ Scale View
- ★ Section Lines
- ★ Hatch
- ★ Title and Board
- ★ Associative Hole Charts
- ★ Fits List
- ★ Center Line and Construction Line
- ★ Rectangle Creation
- ★ Arrange Dimension



What's New

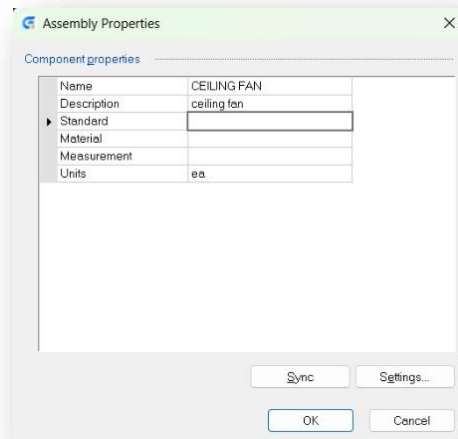
Assembly

Assembly-related functions in BOM have been added, which could be used for assembly through external references or through part references. Assembly items can be folded and expanded in BOM, synchronously displayed in Partlist. Multi-level assembly is also supported, and the data format is fully compatible with ACM.



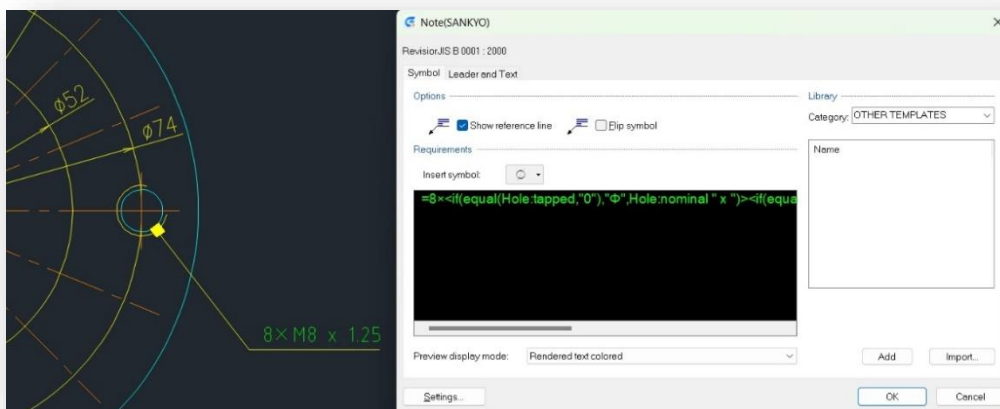
Assembly Properties

Users can specify the Assembly Properties now in GstarCAD Mechanical 2024 with Part Reference Edit command, which helps build the hierarchy of assemblies and parts more precisely.



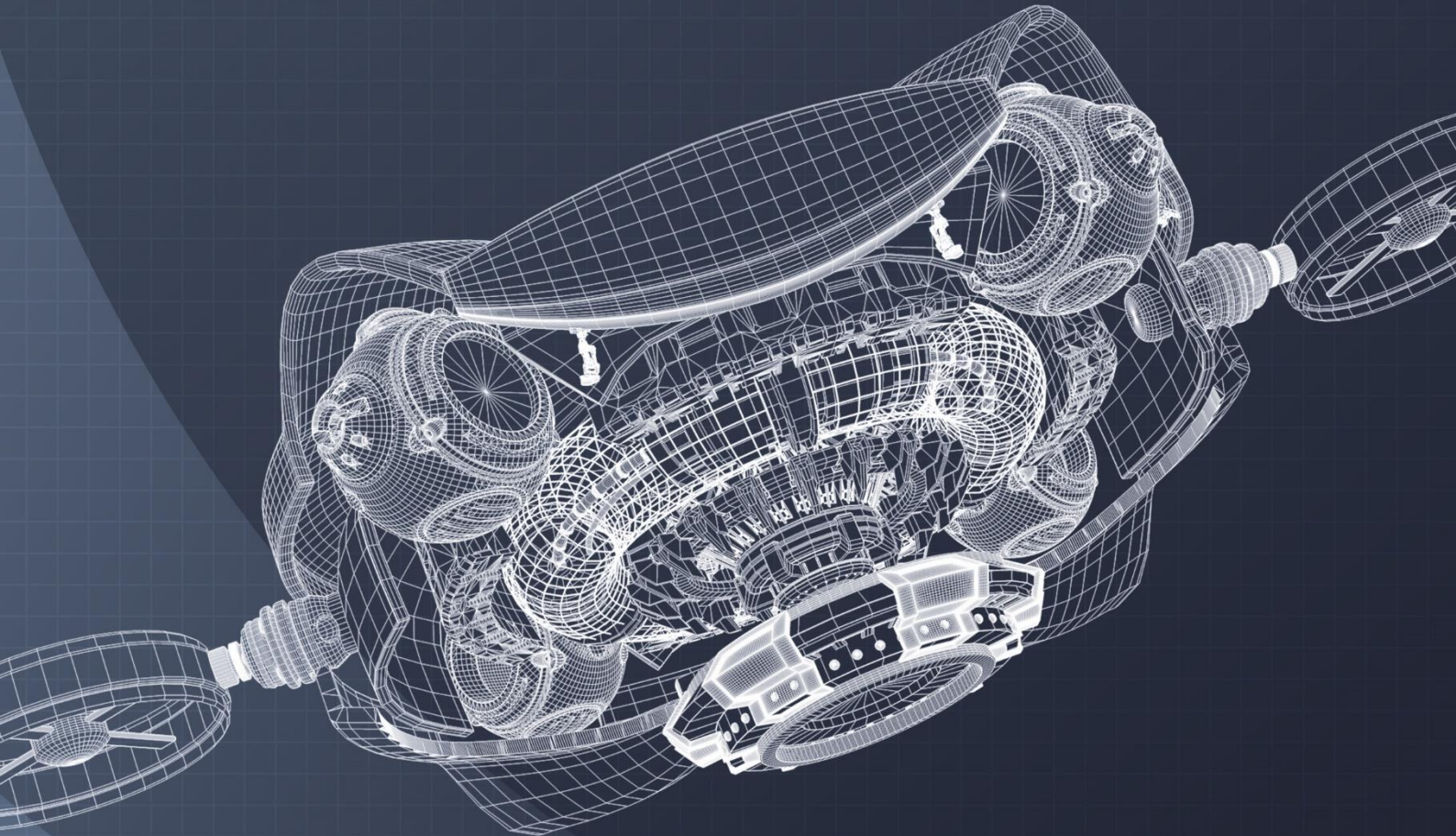
Formula Note

GstarCAD Mechanical 2024 supports Formula Note under commonly used standards (GB/ISO/DIN/JIS), enabling the successful display of the formula notes on holes and standard parts created in ACM.





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Mechanical 2024



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Gstarsoft