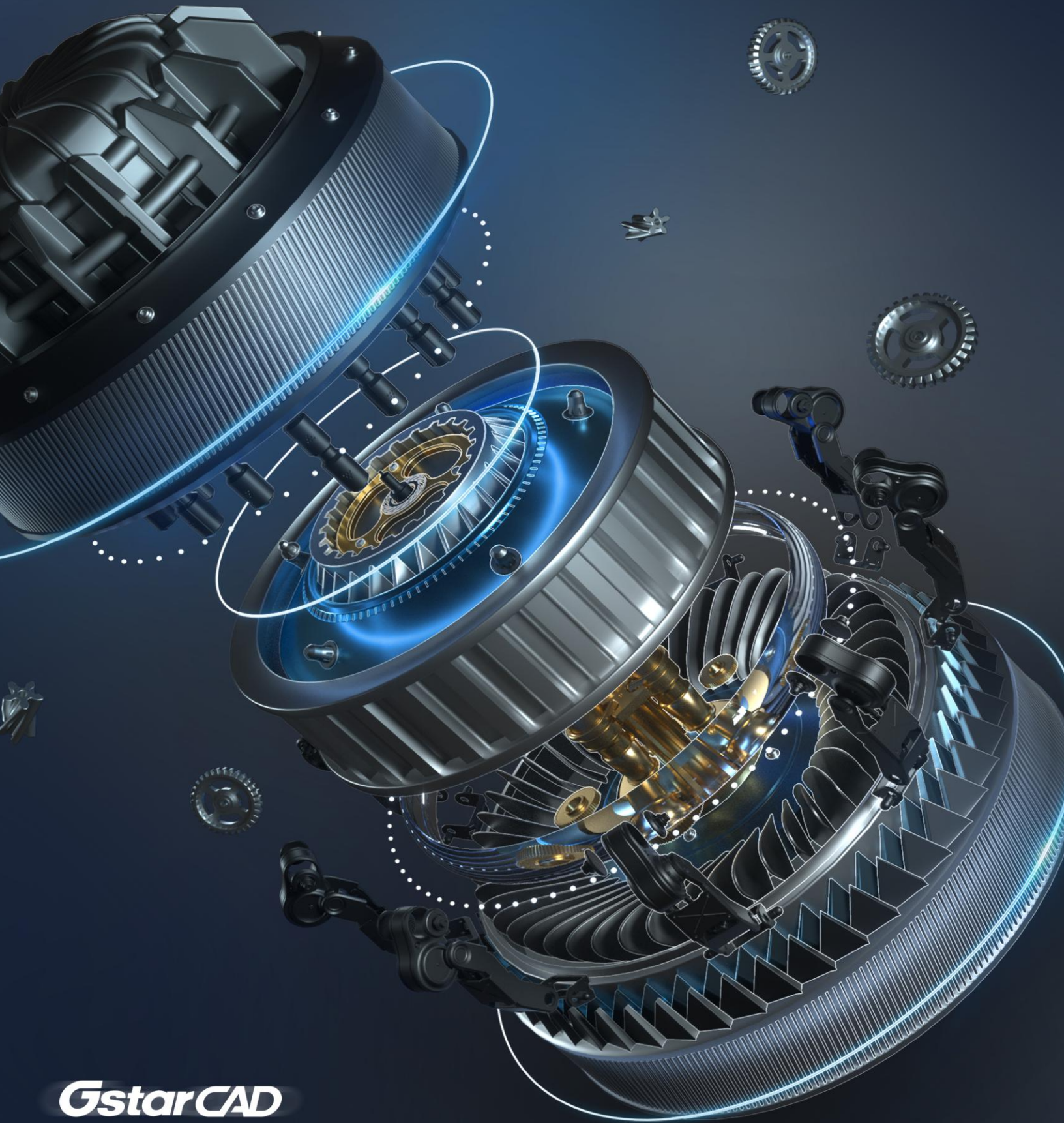




Overview

GstarCAD Mechanical 2020





GstarCAD Mechanical 2020

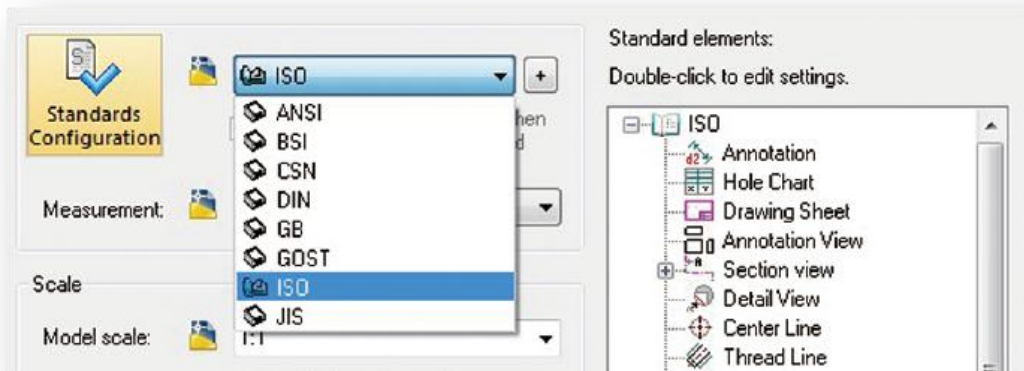
Manufacturing Solutions

GstarCAD Mechanical 2020 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(2015). The standardized mechanical design enhances efficiency of designers and helps them complete accurate product ideas.

Simplifying Standard 2D Mechanical Design

Standards-based

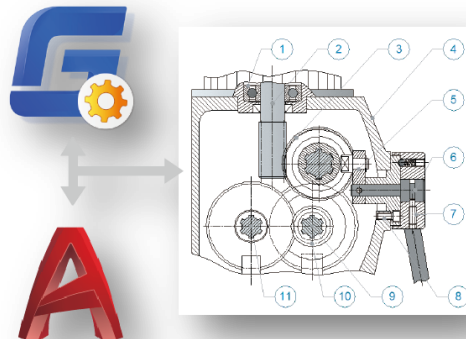
GstarCAD Mechanical 2020 supplies international drafting standards like ANSI/BSI/CSN/DIN/GB/GOST/ISO/JIS that are super customizable, helping engineers to meet design requirements by simplifying mechanical design process in the global marketplace consistently.



Format Compatibility In Bi-direction

Seamlessly Data Displaying

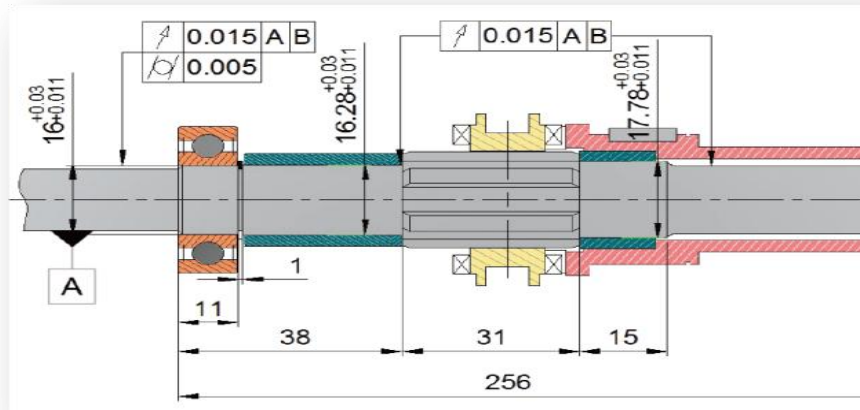
GstarCAD Mechanical 2020 could accurately read and display the complete underlying data of ACM drawings and vice versa. Seamlessly data display including title blocks, balloons, part list, BOM, surface texture, feature control frame, welding symbols and so on.



Easier Mechanical Documentation With Dimensioning Tools And Symbols Annotation

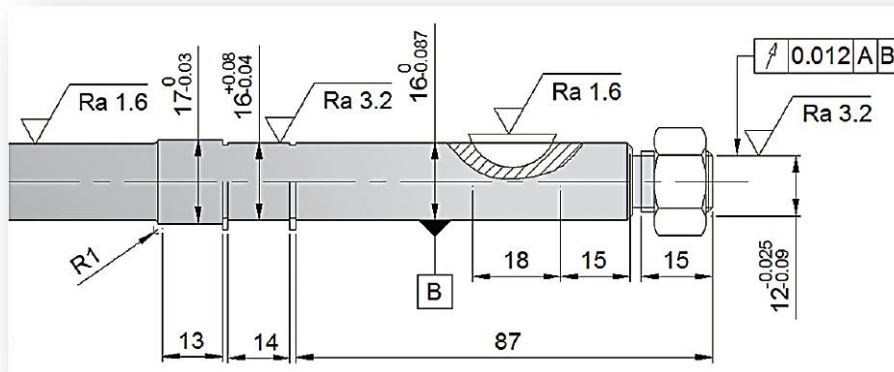
Dimensioning Tools

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 2020 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.

Item	Description	Part Number	Qty	Material	Dimensions
11	Hypoid Gear 1	HG1-007-5	2	Mild Steel	Φ120 x 60 x 5
10	Hypoid Gear 2	HG2-007-6	1	Mild Steel	Φ40 x 20 x 2
9	Transversal Shaft Geared	TSG-007-4	3	Mild Steel	Ø75 x 750mm
8	Hex Bolt	HB1-007-11	6	Steel Carbon	M26 x 70 x 22.5
7	Outer Cap	OTC-007-10	1	Alloy Cast Iron	Ø200 x 80mm
6	Pin Cap Sluck	PCS-007-8	6	Commercial Steel	Ø60 x 120mm
5	Pin Fastener Radial	PRF-007-9	1	Commercial Steel	Ø40 x 50mm
4	Gear Box Case	GBC-007-1	1	Alloy Cast Iron	1398 x 1270 x 360mm
3	Hypoid Gear 3	HG3-007-7	2	Mild Steel	Φ80 x 40 x 3
2	Vertical SD Shaft	VSDS-007-2	2	Mild Steel	250 x 950mm
1	Bearing	BRUS-007-3	2	UHMWPE	Int. Ø85 x ext. Ø 120 x 16mm

PART LIST

A	B	C	D	E	F	G	H	I	
1	BOMKEY	ITEM	NAME	PARTNUMBER	QTY	MATERIAL	DM	BOM_UNITS	NOTE
1		1	Bearing	BRUS-007-3	2	UHMWPE	Int. Ø85xext. Ø 120x16	2	00000
2		2	Vertical SD Shaft	VSDS-007-2	2	Mild Steel	Ø90 x 950mm	2	00001
3		3	Hypoid Gear 1	HG1-007-5	2	Mild Steel	Φ120 x 60 x 5	2	00002
4		4	Gear Box Case	GBC-007-1	1	Alloy Cast Iron	1398x1270x360mm	1	00003
5		5	Pin Fastener Radial	PRF-007-9	1	Commercial Steel	Ø40x50mm	1	00004
6		6	Pin Cap Sluck	PCS-007-8	6	Commercial Steel	Ø60x120mm	6	00005
7		7	Outer Cap	OTC-007-10	1	Alloy Cast Iron	Ø200x80mm	1	00006
8		8	Hex Bolt	HB1-007-11	6	Steel Carbon	M26 x 70 x 22.5	6	00007
9		9	Transversal Shaft Geared	TSG-007-4	3	Mild Steel	Ø75 x 750mm	3	00008
10		10	Hypoid Gear 2	HG2-007-6	1	Mild Steel	Φ40x20x2	1	00009
11		11	Hypoid Gear 3	HG3-007-7	2	Mild Steel	Φ80x40x3	2	00010

Multidisciplinary Collaborative Work

GstarCAD Collaboration

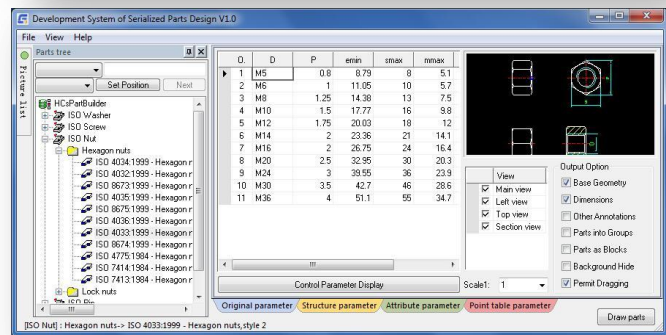
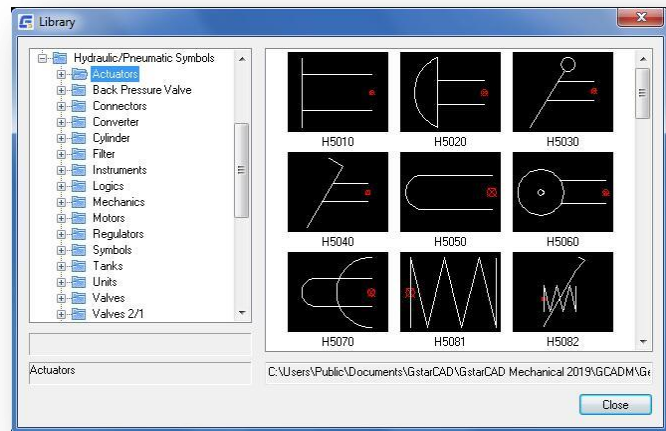
GstarCAD Collaboration is an embedded plugin helps designers work together on complex projects via advanced drawing reference and drawing revision management to significantly improve communication cross teams and reduce design errors.



Variety of Mechanical Tools and Practical Features

Other Key Features Supported

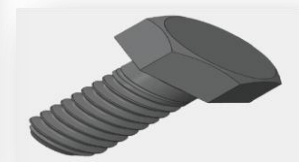
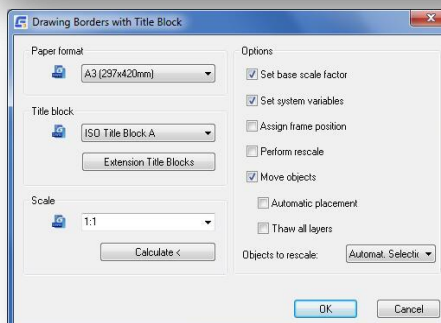
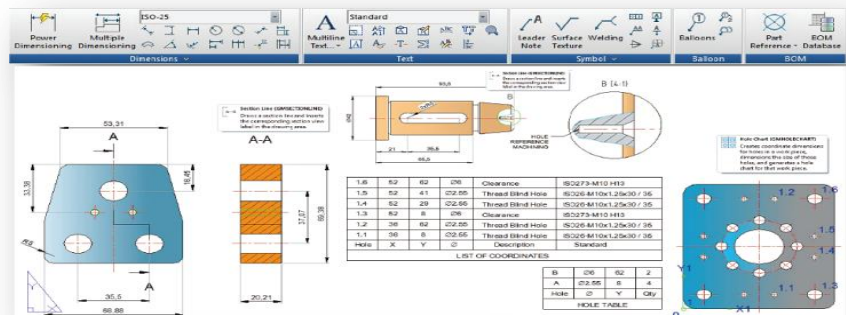
- ★ Mechanical Layer Manager
- ★ Layer Groups Manager
- ★ Serialization Part Design System
- ★ Library
- ★ Dimension Edit Tool
- ★ Leader Note Tool
- ★ Fillet Tool, Chamfer Tool
- ★ Wave Line, Smart Line and Symmetric Line
- ★ Calculate Area
- ★ Statistical Block
- ★ Scale X, Y, Break at One Point, One-quarter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



Automatic Generation Of....

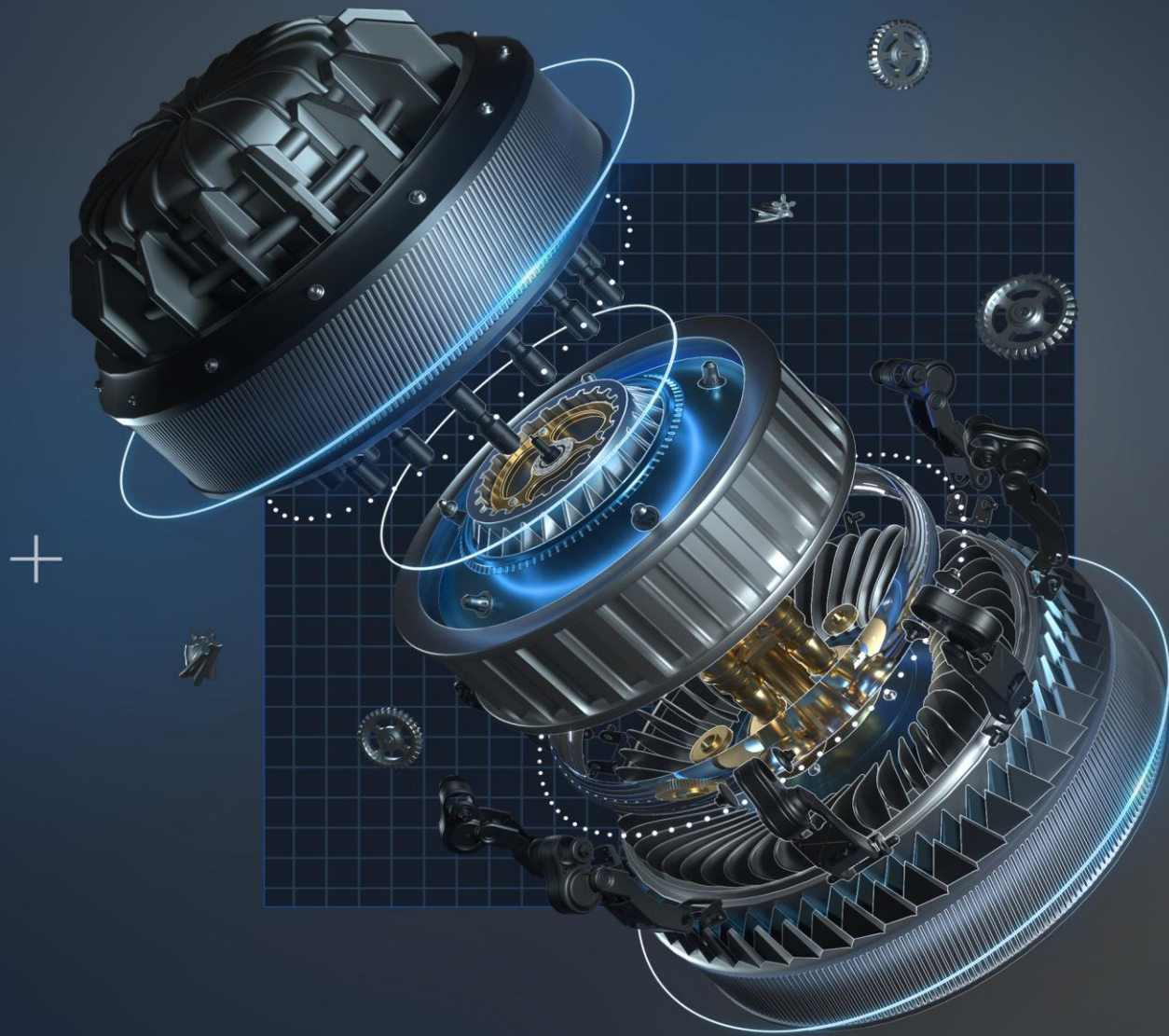
Achieve In Few Clicks

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





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Mechanical 2020



■ <https://www.gstarcad.net/mechanical/>

Gstarsoft