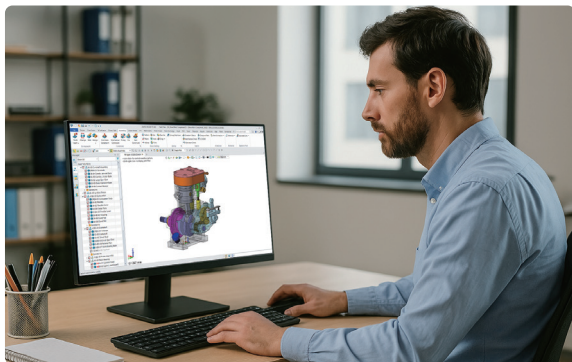


What's ZW3D



Agile 3D CAD built for professional engineers

With industry-standard 3D CAD capabilities, ZW3D offers an affordable solution with a perpetual license and flexible upgrade options. Its high compatibility ensures smooth data integration and seamless use of legacy files.

Thanks to its intuitive user interface, transitioning is easy, and the learning curve is minimal. Additionally, ZW3D provides stable performance and fast operation, even on low-end PC.



All-in-One CAx Solution for the entire product lifecycle

The integrated 3D CAD+CAE/CAM/PDM solution that can take you through the entire product development journey from conception to production.

Part Design

Achieve higher efficiency in innovative design with robust modeling capabilities and diverse specialized modules.

Assembly

Create precise assemblies for complex designs with enhanced speed and efficiency.

2D Drawing

Generate precise and efficient documentation for your designs.

CAE

Integrated design-simulation solution for optimized designs and informed decisions.

CAM

Seamless design-to-manufacturing workflow for efficient production.

PDM

Efficient collaboration and improved design quality through integrated design data management.



Dedicated 3D CAD for general machinery design



Streamlined Workflow

Seamlessly connect 3D modeling, simulation, and 2D drafting in one environment.



Industry-Specific Tools

Accelerate development with features tailored for General Machinery.



Built-in Simulation

Optimize design performance with integrated structural analysis tools.



Unified Data Management

Handle all design and engineering data efficiently in a single file.

Why ZW3D



Lower investment with increased value



Perpetual license

With a one-time purchase, gain full ownership of ZW3D without recurring subscription fees.



Desktop availability

Enjoy offline access and enhanced security with ZW3D's desktop-based solution.



Competitive pricing

Access a high-performance ZW3D solution at a fraction of the cost of premium competitors.



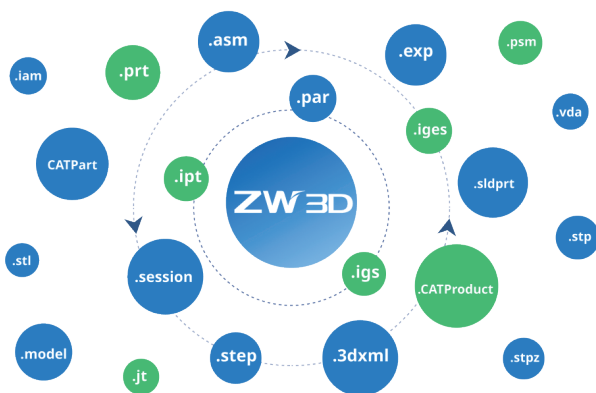
Flexible upgrade policy*

The upgrade system ensures that your business can evolve without penalty fees when moving between versions.

*Disclaimer:
Upgrade policy may vary by region. Please contact your local distributor or refer to the specific terms in your region for further details.



Seamlessly integrate your legacy data



Format compatibility

Supports 25+ import/export formats, including STEP, IGES, and files from Solidworks, Creo, CATIA, and Inventor.

Rapid data conversion

Imports 500Mb .step files in 80 seconds, exports in 14.

Accurate conversion results

Retains key attributes, display states, PMI, and includes auto-repair tools.

Design continuity

Accesses complete modeling history through IPX.

Quick direct editing

Enables fast modifications on native and imported geometry.

Customers who trust us



Recognized for excellence and innovation



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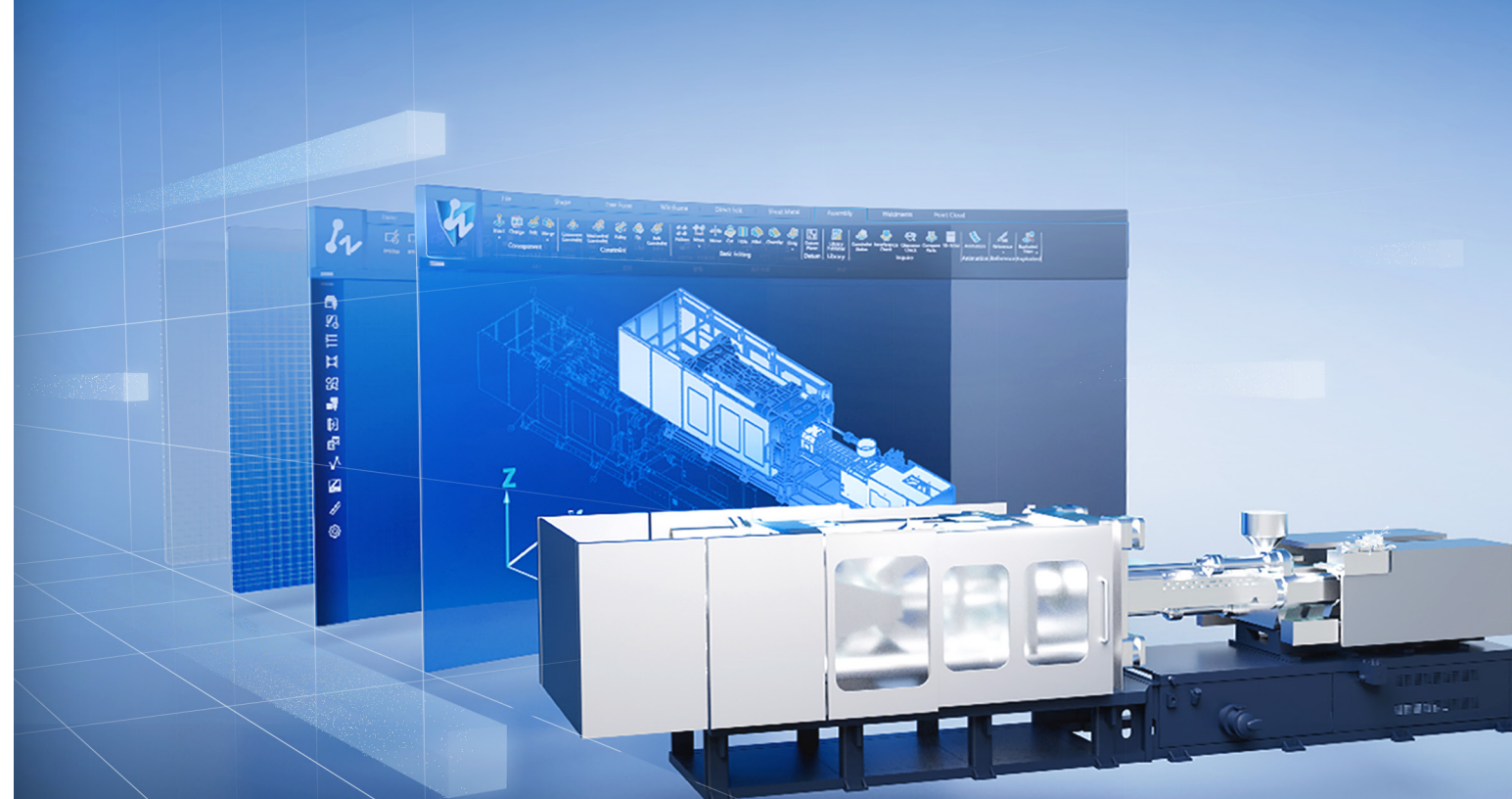
About ZWSOFT

ZWSOFT has been delivering reliable all-in-one CAx solutions since 1998, trusted by over 1,400,000 designers, architects, and engineers in more than 90 countries worldwide.

ZW3D

Unify Design, Simulation, and Manufacturing to Improve Productivity

All-in-One CAD/CAE/CAM/PDM Solution Built for General Machinery



ZWSOFT

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- Maintain consistent design intent across parts.
- Copy geometry from Master Layout, simplifying updates and integration.

traceparts
Product Content. Everywhere.

PARTsolutions

MISUMI

- Efficient customization of different models within the same series.
- Automatically adjusts part dimensions based on changes.

- Enable quick design adjustments while preserving design intent.
- Edit imported models instantly, regardless of parametric constraints.

- Rapid design ideation with a hybrid approach.
- Maximize the power of hybrid design capabilities of 2D sketching and 3D modeling.

- Efficient part modifications for adaptive product development.
- Versatile 3D modeling capabilities driven by parametric design.

- Professional tools for quick sheet metal design.
- Support complex bends and accurate unfolding, featuring material properties and bend allowances.

- Accelerate the modeling process of steel structure.
- Supports standard/custom profiles, corner joint solutions, and structural elements.

- Easily create photorealistic 3D renderings for better visual communication.
- Minimal setup for the rendering process. Improve visual impact with interactive lighting and global illumination.

- Smooth assembly for up to 20,000 parts with real-time editing.
- Supports multiple constraints to ensure precise positioning and motion.

- Flexible Assembly enables automated constraint updates.
- Smart Fastener accelerates assembly with auto-selection and insertion.

Production Preparation & Manufacturing

[illegible]

- Proven clarity and precision in technical drawings.
- Generate standard, projection, section, detail, and partial views effortlessly.

- Fast and accurate annotations ready for manufacturing.
- Support smart dimensioning and JIS mechanical symbols to comply with production standards.

Real-Time 2D-3D Sync

- Minimize redundant drawing creation and annotation.
- Seamlessly link 3D models to ZWCAD DWG/DXF drawings with real-time associative updates.

- Standardized and automated generation of technical drawings.
- Supports customizable templates for title blocks, views, BOMs, and annotations.

- Accurate and flawless assembly integration.
- Identify and resolve component conflicts, ensuring a proper fit within the assembly.

- Edit designs in real time while smoothly switching between sections.
- Generate full, aligned, broken, and isometric section views.

- Validate motion performance to ensure design accuracy.
- Enable fast mechanical motion validation with DMU simulation, even in wireframe models.

[illegible]

- Ensure precision and consistency from design to production.
- Associate manufacturing data with 3D models.

- Easy design-to-procurement communication.
- Generate BOM directly from 3D models. Speed up the BOM creation process.

- Measure weight, center of mass, and inertia in real-time.
- Mark balance points for motion stability and precise assembly positioning.

- Enhance design communication and assembly validation.
- Easily create assembly animation to visualize internal structures and sequences in action.

- Verify design to improve product quality with informed decisions.
- Support structural, vibration, heat transfer, and fatigue analysis. Cut costs in prototypes.

- Exceptional production backed by comprehensive machining strategies.
- Comprehensive roughing, finishing, and hole-making strategies. Toolpath simulation for safe, reliable operations.

- Efficient post-processing for seamless CNC programming.
- Embedded and flexible POST library for major machine controllers, including Fanuc, Siemens, and Heidenhain.

- Boost R&D efficiency, improve product quality, and safeguard data integrity.
- Streamline collaborative design, data management, and data publishing within the ZW3D platform.