3CAD

3D Configuration

Empower customers with real-time 3D customization

Streamline design and production with rule-based 3D configuration tools.



Deliver a superior customer experience by enabling product customization with 3CAD's real-time 3D configurator. Customers can personalize designs while you maintain control through rule-based constraints that ensure every order can be produced. With instant visualization and seamless integration into production workflows, 3CAD reduces errors, optimizes processes, and brings your products to life like never before.

Key features & benefits

Real-time 3D rendering

Visualize products instantly during configuration with an interactive rendering engine. Customers can see accurate previews, ensuring confidence in their design choices and alignment with production.

Rule-based customization

Ensure all designs meet production constraints using parametric rules. Customers can personalize freely within set boundaries, reducing errors and manual adjustments while streamlining workflows.

Streamlined design-to-production

Automate the conversion of configurations into production data, including CNC instructions and BOMs. This speeds up the process, reduces errors, and ensures seamless transitions from design to manufacturing.

Enhanced customer experience

Provide intuitive tools for customers to personalize products in real time. These interactive features enhance engagement, satisfaction, and alignment with customer expectations.

Simplified complexity

Easily handle intricate configurations, from single items to large environments like apartments or offices. 3CAD ensures smooth performance and flexibility without compromising detail or quality.

Centralized control

Manage rules, variants, and options from a single location for design consistency. Easily implement updates across configurations to ensure accuracy and reduce manual adjustments.

Bring designs to life with real-time 3D customization

Enable intuitive, rule-based design tools to streamline production and improve customer satisfaction.

Real-time visualization	**Interactive rendering** Allow customers to see their products in real-time as they customize, ensuring confidence in their design choices.	**Accurate representation** Guarantee that the configured visuals match production outcomes, building trust and reducing errors.	**Dynamic environment creation** Design entire spaces like apartments or offices with performance and fluidity, no matter the complexity.
Rule-based design control	**Parametric rules engine** Apply custom rules to ensure every configuration meets production requirements, reducing manual adjustments.	**Variants and options** Manage product variants and options with complete flexibility to maintain design consistency across all customizations.	**Error-free customization** Ensure every order is ready for production with built-in constraints that eliminate invalid configurations.
Seamless design-to-production transition	**Automated data generation** Convert customized designs into production data instantly, including BOMs, CNC instructions, and worklists.	**Integrated workflows** Connect design, sales, and manufacturing processes to eliminate bottlenecks and reduce lead times.	**Scalable solutions** Support configurations for simple products or complex assemblies, scaling with your business needs.



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Ready to take your products to the next level?

Discover how 3CAD can help your business streamline processes, reduce errors, and enhance customer satisfaction.

Visit cyncly.com to learn more or schedule a personalized demo today.