

SCS Scales Custom Machine Production with ZW3D's Standardized Solutions



INDUSTRY
Custom Manufacturing

SERVICE
Design and production of customized wood machines

WEBSITE
<https://www.scsagacisleme.com>

❓ CHALLENGES

- Needed a versatile CAD system to handle the unique demands of custom woodworking projects while maintaining efficiency
- Faced workflow delays due to repetitive design tasks and manual adjustments, increasing the risk of errors
- Struggled with high licensing costs of traditional CAD software, putting financial strain on the small team

💡 SOLUTION

ZW3D

✅ RESULTS

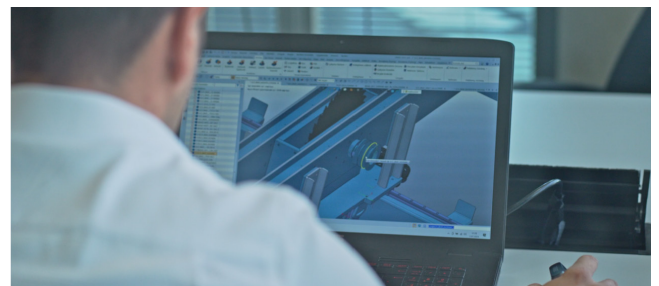
- Boosted efficiency by 50% with ZW3D's standardized solutions, enabling faster project turnaround and reduced manual workload
- Reduced overall costs by 30%, thanks to ZW3D's budget-friendly licensing model and streamlined workflow
- Improved design accuracy and consistency, enabling SCS to deliver high-quality custom machines on time and maintain their competitive edge

SCS: Boutique Workshop for Custom Wood Machines in Turkey

SCS Ağaç İşleme Makineleri, founded in 2022, is a Turkish company that specializes in the design and production of customized woodworking machines. Despite being a compact team of just eight professionals, SCS has quickly established itself as a leader in the industry by providing tailored, high-quality solutions to its clients. From wood-grading machines to other specialized wood-processing equipment, SCS's commitment to innovation and precision has earned them a solid reputation in the market.

Design Uniqueness and Efficiency: A Challenge for Customization

As a manufacturer focused on custom-built woodworking machinery, SCS faced several key challenges. They required a highly versatile CAD system capable of adapting to each project's unique and complex needs. Given the custom nature of their products, SCS often encountered repetitive design tasks that needed to be manually adjusted, which slowed down their workflow and increased the risk of errors. Moreover, the small team size meant that cost management was essential. Traditional CAD with their high licensing fees posed a significant financial burden, limiting SCS's ability to invest in the tools they needed to maintain their competitive edge.



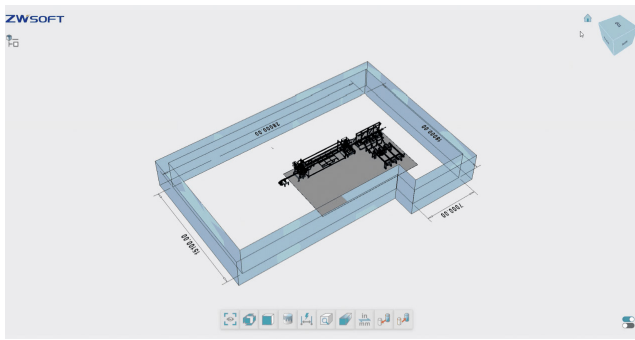
SCS proceeds with the wood machine design process in ZW3D

To overcome these obstacles, SCS turned to ZW3D, which offers exactly what SCS needed: a powerful, yet cost-effective, system that could streamline their workflow, reduce the burden of repetitive tasks, and improve overall efficiency.

Efficiently Streamlined Machine Design in ZW3D: From Concept to Launch

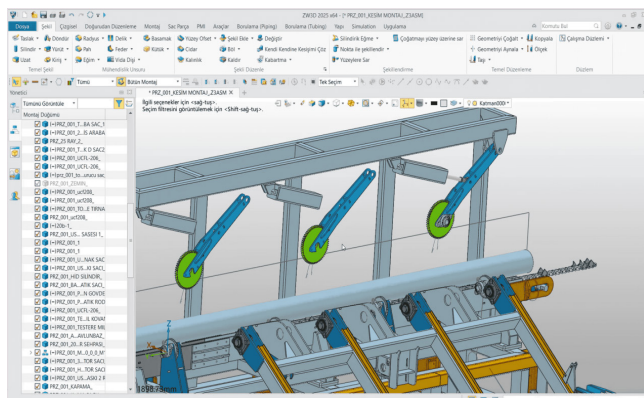
ZW3D provided SCS with a suite of standardized solutions that seamlessly integrated into their existing workflow, enabling them to overcome their challenges and achieve new productivity levels. ZW3D has brought consistency and reliability to every stage of the design and production process.

ZW3D's design tools allow SCS to rapidly model client workshops and create detailed arrangement plans that could be easily shared with clients through HTML exports, which has made it simpler for clients to review and approve designs, even if they didn't have CAD software themselves.



Design files in ZW3D can be exported in HTML to view easily

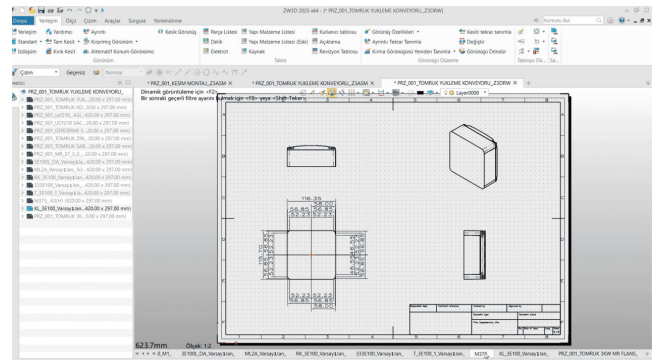
ZW3D's standardized design capabilities are particularly valuable during the detailed design phase. The specialized tools for sheet metal and structure design drastically reduced the time spent on repetitive tasks. This not only increased efficiency but also ensured a high level of accuracy and consistency across all projects.



ZW3D helps SCS to cut down on repetitive work in detailed design

The inclusion of a comprehensive standard parts library, along with access to third-party libraries like PARTsolutions, Traceparts, and MISUMI, provides quick access to the components SCS needed, further streamlining the engineering process. Moreover, ZW3D's integrated FEA simulation tools allows SCS to quickly perform structural analyses, ensuring that their designs met the necessary durability standards, which has helped SCS to maintain the high quality of their custom machines while reducing the risk of costly errors during production.

The ZW3D's Auto Drafting tools provides a significant improvement for SCS. What once was a labor-intensive process—creating detailed 2D drawings for over 500 components—became much more efficient with ZW3D. The ability to batch generate these drawings not only saved time but also ensured that all components were produced to the exact specifications required.



2D drawings for large amount of components can be generated quickly in batches

ZW3D: Standardized Solutions Fueling Innovation and Growth

Since adopting ZW3D's standardized solutions, SCS has seen a clear boost in efficiency—up by 50%—which has empowered the team to tackle more projects and deliver top-quality products at a faster pace. This increase in productivity has helped SCS stay competitive in the woodworking machinery market. In addition, SCS has also managed to cut costs by 30%, thanks to ZW3D's budget-friendly licensing and efficient workflow.

ZW3D's standardized solutions have proven to be a transformative force for SCS. SCS is well-equipped to build on this success, continuing to innovate and deliver exceptional products that meet the evolving needs of their clients.

ZWSOFT

ZWSOFT has been delivering reliable all-in-one CAX solutions since 1998. With over 20 years of experience, our products have been chosen and trusted by over 1.4 million customers in more than 90 countries worldwide.

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