



VSOLVE GLOBAL MACHINERY SDN BHD

TRANSFORM DESIGN WORKFLOW AND REVOLUTIONISE PRODUCT DEVELOPMENT WITH SOLIDWORKS

Vsolve Global Machinery Sdn Bhd is a top supplier of food processing and packaging machinery in the rapidly growing Asian market. They prioritise innovation, quality, and customer satisfaction, earning trust from food industry businesses aiming to enhance efficiency and deliver top-notch products. Their current strategic focus is on the thriving markets of Vietnam, Thailand, and Singapore, key players in Southeast Asia's food processing and packaging industry. Their approach centers on innovation, quality, and ensuring customer success.

3D AS COMMUNICATION TOOL

The company encountered hurdles predominantly related to communication effectiveness and the necessity for conveying engineering ideas clearly. These obstacles drove them to seek resolutions because they were adversely affecting project results, deadlines, and client contentment. The most significant issue was the intricacy of articulating intricate engineering concepts solely through hand-drawn sketches. Numerous clients, particularly those lacking an engineering background, struggled to comprehend the technical intricacies, causing miscommunication and misconceptions. Consequently, this frequently led to the production of multiple prototypes, resulting in time and resource wastage, and ultimately impacting the project's overall success.

Prior to adopting SOLIDWORKS, they exclusively used a primarily 2D-based design software for their design and modelling requirements. The shift to SOLIDWORKS was prompted by multiple factors that exerted a substantial influence on the design cycle, product quality, cost-efficiency, and other essential facets. While it is a potent tool, its core functionality is rooted in 2D, which makes it less adept at handling intricate 3D modelling tasks. This limitation hinders the optimisation of the design process and impedes swift and precise conceptualisation.

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IME's products and services are renowned for their exceptional quality and reliability, aligning with our high standards. Their commitment to excellent customer service sets them apart, as we consistently receive prompt and helpful assistance when we have questions or concerns.

Leong Nien Lee

Managing Director of Vsolve Global Machinery

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Embracing 3D modelling empowers the development of resilient and readily adaptable designs, consequently diminishing the requirement for extensive redesigns and expediting the design cycle. It also offers advanced visualisation tools for creating highly detailed drawings, improving the understanding of the final product, reducing errors, and enhancing product quality.

REDUCED LEAD TIME, COST, AND ERROR

The implementation of SOLIDWORKS brought about several positive transformations in design and product development. It notably enhanced the design cycle by reducing conceptualisation and iteration time by 50%. The software facilitated seamless collaboration, resulting in a more integrated and efficient product development process.

Additionally, the use of accurate 3D models reduced the need for physical prototypes by 20%, leading to cost savings. Early error detection reduced design errors, decreasing the number of rejected or reworked parts. This streamlined process accelerated the time-to-market. The improved design quality ultimately yielded user-friendly products that met customer expectations.