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here we emphasize the design of mechanical and structural precision machine components and their integration with sensor actuator and control systems to maximize performance design is a mixture of analysis and creative thought good designs are based on excellent concepts and properly designed details

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in this article we ll explore some of the most prominent trends in mechanical design for 2023 1 digital twins and simulation digital twin technology is rapidly gaining ground in mechanical

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abstract conceptual design is a pivotal phase of product design and development encompassing user requirement exploration and informed solution generation recent generative models with their powerful content generation capabilities have been applied to conceptual design to support designers ideation however the lack of transparency in their generation process and the shallow nature of

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