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Autor: Schodek, Daniel; Martin Bechthold; Kimo Griggs;
Kenneth Mart

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A reliable, concise guide to computer-aided design and manufacturing

Positioned to be the leading book of its kind in the field, Digital Design and Manufacturing explains the ins and outs of CAD/CAM technologies and how these tools can be used to model and manufacture building components and industrial design products. It offers a comprehensive overview of the field and expertly addresses a broad range of recent initiatives and other issues related to the design of parts and assemblies for automated manufacturing and assembly.

Digital Design and Manufacturing presents the latest technical coverage of how to implement CAD/CAM technologies into the design process, including the broad range of software, computer numerical control (CNC) machines, manufacturing processes, and prototyping necessary. Insightful case studies are integrated throughout from the works of Frank Gehry, Bernard Franken, Raphael Vinoly, and many other leading architects. Product design case studies are also presented.

Students and professional architects will find techniques for going from representation to production, while avoiding the pitfalls of traditional manufacturing and allowing for the design and production of complex, free-form components that have been too expensive to use practically-until now.

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