Prototyping and Modelmaking for Product Design
By Bjarki Hallgrimsson

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Bjarki Hallgrimsson. Building prototypes and models is an essential component of any design activity. Modern product development is a multi-disciplinary effort that relies on prototyping in order to explore new ideas and test them sufficiently before they become actual products. Prototyping and Modelmaking for Product Designers illustrates how prototypes are used to help designers understand problems better, explore more imaginative solutions, investigate human interaction more fully and test functionality so as to de-risk the design process. Product description. Building prototypes and models is an essential component of any design activity. Prototyping and Modelmaking for Product Design illustrates how prototypes are used to help designers understand problems better, explore more imaginative solutions, investigate human interaction more fully and test functionality so as to de-risk the design process. Following an introduction on the purpose of prototyping, specific materials, tools and techniques are examined in detail, with step-by-step tutorials and industry examples of real and successful products illustrating how prototypes Prototyping and modelmaking, although inherently related terms, actually, refer to different activities. Prototyping is a design method that uses physical prototypes to study and test how a new product will be used, and how it will look and be manufactured. Modelmaking, on the other hand, is the step-by-step method of producing the prototype. For this reason, this book has been divided into two sections: Prototyping and Modelmaking. The ñrst section, Prototyping, describes what physical prototypes are and how they are used in product design and development. The second section, Modelmaking, spe