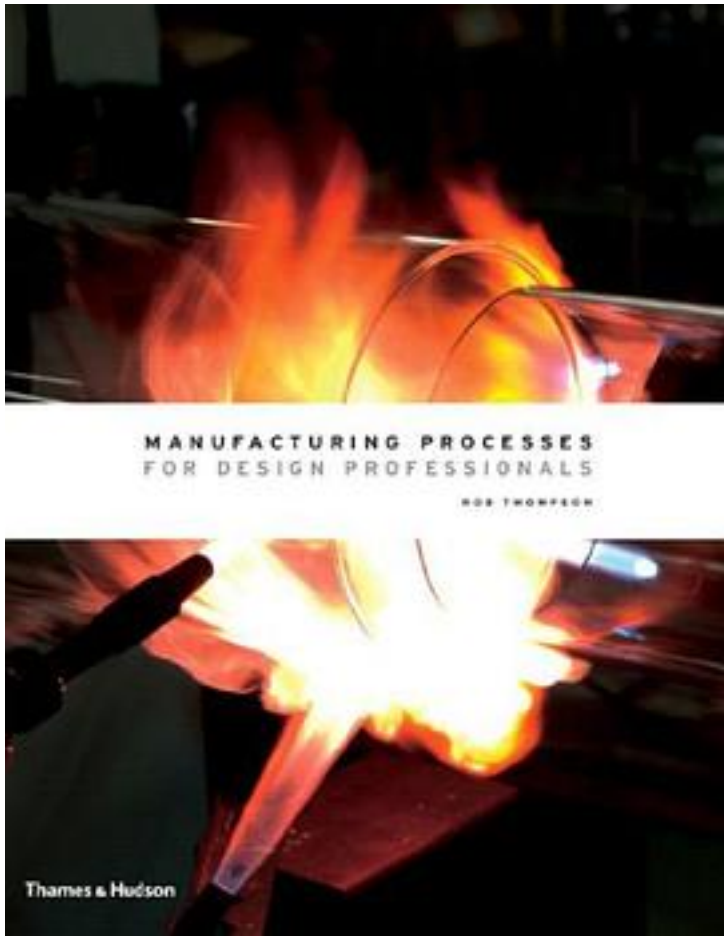


Manufacturing Processes for Design Professionals



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An encyclopaedic guide to production techniques and materials for product and industrial designers, engineers, and architects.

Today's product designers are presented with a myriad of choices when creating their work and preparing it for manufacture. They have to be knowledgeable about a vast repertoire of processes, ranging from what used to be known as traditional "crafts" to the latest technology, to enable their designs to be manufactured effectively and efficiently. Information on the internet about such processes is often unreliable, and search engines do not usefully organize material for designers.

This fundamental new resource explores innovative production techniques and materials that are having an impact on the design industry worldwide. Organized into four easily referenced parts—Forming, Cutting, Joining, and Finishing—over seventy manufacturing processes are explained in depth with full technical descriptions; analyses of the typical applications, design opportunities, and considerations each process offers; and information on cost, speed, and environmental impact. The accompanying step-by-step case studies look at a product or component being manufactured at a leading international supplier.

A directory of more than fifty materials includes a detailed technical profile, images of typical applications and finishes, and an overview of each material's design characteristics. With some 1,200 color photographs and technical illustrations, specially commissioned for this book, this is the definitive reference for product designers, 3D designers, engineers, and architects who need a convenient, highly accessible, and practical reference. 1,200 color photographs and illustrations.

作者介绍:

Rob Thompson is a lecturer at Central Saint Martins College of Art and Design, London, specializing in materials and manufacturing. He is co-founder of Creative Resource Lab, which provides design training for businesses and design professionals. An award-winning designer, he is involved in the development of materials and products for a range of international clients.

目录: Introduction: Design for Manufacture;
Forming Technology;
Plastics and Rubber;
Metal;
Glass;
Ceramics;
Wood;
Composites;
Layered Manufacturing;
Cutting Technology;
Thermal;
Mechanical;
Joining Technology;
Thermal;
Mechanical;
Finishing Technology;
Additive Processes;
Subtractive Processes;
Printing;
Material Profiles;
Wood;

Plastic;
Metal;
Glass and Ceramics.
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标签

工业设计

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manufacture

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Manufacturing

原版外文图书

评论

迄今为止读到的最好的工艺书

设计师看的加工技术书 之前翻译过一小部分
讲的很是详尽而不深奥。但是如果要更深入理解还需要多搜集资料 多实践啦。

书评

彩图看着不错