

Manufacturing Processes for Design Professionals



MANUFACTURING PROCESSES
FOR DESIGN PROFESSIONALS
ROB THOMPSON



[Manufacturing Processes for Design Professionals 下载链接1](#)

著者:Rob Thompson

出版者:Thames & Hudson

出版时间:2007-11-30

装帧:Hardcover

isbn:9780500513750

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.
· · · · · (收起)

[Manufacturing Processes for Design Professionals](#) [下载链接1](#)

标签

工业设计

设计

工艺

材料与加工工艺

manufacture

design

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。

一张一个成型工艺 很清楚

csm产品设计课程推荐书单，介绍了产品设计中可能使用的工艺。包括金属，塑料，木，玻璃等。

老师推荐的~~还蛮实用的~~

[Manufacturing Processes for Design Professionals](#) 下载链接1

书评

彩图看着不错

不过那些1,2,3的加工顺序说的有点不清楚，开始介绍塑料，后来又说了说木材加工，金属加工说的很省略，一般的大众读物，还可以。

在意大利学设计，全意大利语授课，我的教授力荐给我的，此书只有英语板块。由于在专业词汇上认识不多所以，又要确保信息准确，我都是对着翻译成英文和意大利文。读得很慢，但是另一方面会思考很多，也是一件好事。有用，适合学习，无论你在哪个水平，都值得，毕竟人都是半杯水...

Manufacturing Processes for Design Professionals_ 下载链接1_