

<<机械工程专业英语>>

图书基本信息

书名：<<机械工程专业英语>>

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前言

随着我国加入世界贸易组织,成为制造业大国,我国和国外的技术交流越来越广,企业的技术人员不仅要具备专业的知识,而且要具备阅读英文技术资料、文献、产品使用说明书的能力。为了使工科学生适应现今社会技术的发展,满足企业对技术人才知识广而博的要求,我们编写了本教材。

全书分5部分(5个部分的划分参见目录),共45单元,每个单元包括课文、生词及专业词汇注释、长难句解析、课后练习题、趣味阅读等内容。

本书内容包括机械制图、机械原理、机械设计、公差、液压、金属材料、热处理、铸造、锻压、焊接、金属切削机床、刀具、夹具、计算机辅助设计、计算机辅助制造、柔性制造系统、计算机辅助编程、电火花加工、质量控制、数控原理与加工、制造管理等方面的专业英语知识和术语。

本书各单元的内容既有系统性的编排,又相互独立,各个学校可以根据具体情况自行选择教学内容。

本书由高成秀担任主编,徐创文担任主审。

参加编写工作的有:高成秀(Part I、PartV、各单元名人名言、各单元单词注音),王珺(Part II),杨永萍(Part I中第1~11单元),张红岩(Part I中第12~14单元,Part1),许萍(每单元后的趣味阅读)。

全书由高成秀统稿。

通过本书,希望读者能够对有关机械零件及其加工方法和过程的知识,以及有关机械零件及其加工方法和过程的专业英语有一个全面的认识,希望本书能够帮助读者学到知识,并且从中获得学习的动力和乐趣。

本书在编写过程中,得到了多位老师和同仁的大力支持,在此向他们表示衷心的感谢。

由于编者水平有限,难免会有不妥之处,欢迎读者批评指导。

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内容概要

本书系统地介绍了机械制图、机械原理、机械设计、公差、液压、金属材料、热处理、铸造、锻压、焊接、金属切削机床、刀具、夹具、计算机辅助设计、计算机辅助制造、柔性制造系统、计算机辅助编程、电火花加工、质量控制、数控原理与加工、制造管理等方面的专业英语知识和术语。全书分5部分，共45单元，每个单元包括课文、生词及专业词汇注释、长难句解析、课后练习题、趣味阅读等内容。

本书配有精美课件、习题答案等教学资源，供任课教师选用，以方便教学、提高教学质量。

本书可作为高职高专院校相关专业的专业英语教材，也可以作为工程技术人员的学习参考资料。

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章节摘录

In those days , even the finest glass lenses , ground by the best professional lens-makers , could magnify things only ten times . They were used mainly for reading , by people with weak eyesight . But Leeuwenhoek was not satisfied with the store-bought lenses . He knew very well that he could make better odes himself He worked hard in his store in the daytime . At night , he would hurry home and spend long hours over his work table , grinding and polishing tiny bits of glass no bigger than a large dot . He made hundreds and hundreds of these lenses . His skill improved with practice , and finally he Was able to make lenses that could magnify a flea So that it looked 150 times as large as it actually was . Leeuwenhoek made gold or silver flames for his lenses , and sometimes he attached handles to them So that he could carry them around and examine things through them .

Then he thought of something better . He mounted a lens on a little frame and put a mirror beneath it to reflect the light up into the lens . On a strip of clear glass between the lens and the mirror, he placed whatever he wanted to examine : the eye of a fly , a speck of pepper or a bit of skin . The magnifying glass was now a microscope . Forty years before he Was born , another Dutch lens-maker had perfected a microscope scope with two lenses , but Leeuwenhoeks single lens machine was far better and easier to use .

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