

<<模具专业英语教程>>

图书基本信息

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### 前言

受到了广大读者的欢迎与好评。也不断有读者来电、来信，表达了希望一书在手便能自学模具英语的愿望。为此，我们在以上两书的基础上编写了这本《模具专业英语教程》。

本书集《模具专业英语--设计、报价、结算》和《模具专业英语全程导学》之精华，在重视模具设计与制造的基础上，对内容进行了调整和充实，既有关于模具设计与制造方面的最新资料，又带有全程导学的性质，更有利于帮助模具专业学生及模具企业界的外贸人员提高阅读和翻译有关模具外文资料以及直接参与模具外贸洽谈的能力。

本书本着便于学习的目的，按照课文、生词注解、重难点词汇及句子注释、练习、课文导读及参考译文的顺序，对教材内容进行科学合理的编排。

书后附有练习参考答案，为模具专业学生及从业人士更好地学习提供了具体而有效的帮助。

本书由湖南省模具学会理事长、湖南电子科技职业学院机电工程系主任叶久新教授策划、构思，湖南电子科技职业学院基础课部主任童长清教授组织、整理，两人共同主编。

担任本书副主编的为：湖南电子科技职业学院龙艳辉、柳姣、黄倩文、刘秀琴，湖南生物机电职业学院张秀玲；同时参与本书编写的还有湖南电子科技职业学院周玉娥、刘娟、童智，娄底职业学院罗正斌，郴州职业技术学院李灶福，怀化职业技术学院张建清等。

由于编者水平有限，错误之处在所难免，敬请读者批评指正。

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### 内容概要

本书共分8章,分别为“模具概论”、“模具材料简介”、“冷冲压工艺及模具”、“塑料成型工艺及模具”、“锻造工艺及模具”、“普通机械加工与特种加工”、“计算机在模具设计与制造中的应用”、“模具的报价与合同”。

内容精炼,选材新颖;所有课文和图例均附有参考译文,旨在提高模具专业学生阅读、翻译模具专业方面的英文资料及参与模具外贸洽谈的能力。

本书可作为高职、高专“模具设计与制造”专业以及本科“材料成型与控制工程”专业的教材,也可作为各类模具技术培训教材,还可供企业从事模具设计、制造以及模具外贸的人员参考。

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章节摘录

Lesson 3 Steels      Steels (first made in China and Japan around 600--800 AC) are generally divided into the categories of carbon steels and alloy steels (including tool steels).      Carbon Steels      Carbon steels are used extensively in tool construction. Carbon steels are those steels which only contain iron and carbon, and small amounts of other alloying elements. Carbon steels are the most common and least expensive type of steels used for tools. The three principal types of carbon steels used for tooling are low carbon, medium carbon, and high carbon steels. Low carbon steel contains between 0.05% and 0.3% carbon. Medium carbon steel contains between 0.3% and 0.7% carbon. And high carbon steel contains between 0.7% and 1.5% carbon. As the carbon content is increased in carbon steel, the strength, toughness, and hardness also increase when the metal is heat treated.

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