



English version

# Catalogue 2011/12



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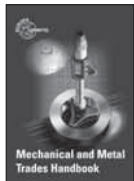


# Catalogue 2011 / 2012

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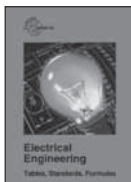
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Clothing Technology  
Europa-Nr. 62218

Electrical Engineering  
Europa-Nr. 30337

## Translations

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(Prices are valid until 31.03.2012)



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## Fachkunde Metall Metal Technology

56th, 624 pp, app. 2000 illustrations, coloured, 17 x 24 cm, paper-bound  
Europa-No. 10129  
Language: German  
Translation available in:  
Chinese  
Czech,  
Greek,  
Finnish (in preparation)

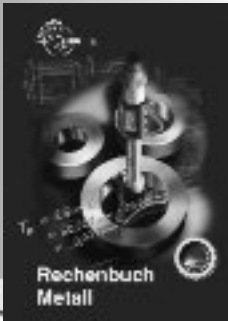
This successful school and professional course book contains the basic principles needed for the whole field of metal technology and also the more advanced knowledge in the area of industrial mechanical engineering, the mechanical engineering professions (tradesmen) and mechanical cutting. As a result "Fachkunde Metall" is ideal for use not only in vocational schools but also in technical colleges, polytechnics, technical grammar schools and schools for master craftspeople. The book is also a useful reference book for masters and other fully-qualified personnel, to extend their knowledge of the subject even further.



## Bilder zur Fachkunde Metall Illustrations of Metal Technology

CD-ROM  
Single-user licence  
Europa-No. 86370  
Multi-user licence  
Europa-No. 86375

The accompanying CD-ROM contains all illustrations of the book "Fachkunde Metall" (also separately available).



## Rechenbuch Metall Calculating Book - Metal Technology

30th ed, 280 pp, more than 800 illustrations, 17 x 24 cm, paper-bound  
Europa-No. 10307  
Language: German  
Translation available in:  
Greek

A teaching and testing course book for vocational training and further education in the professional field of metal technology. The book, now in its 30th edition, has been revised and updated.

The clearly-presented material makes the basic and more advanced mathematical skills easier to assimilate and understand. Graded exercises and project-oriented tasks enable the student to gradually deepen his understanding of the whole subject.

Included is a CD with all illustrations of the book.



Translation of the 44th edition of the well-known "Tabellenbuch Metall": "The Mechanical and Metal Trades Handbook". It is well-suited for shop reference, tooling, machine building, maintenance and as a general book of knowledge. It is also useful for educational purposes, especially in practical work or curricula, continuing education programs.

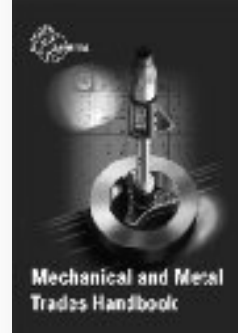
The contents of this book include tables and formulae in eight chapters. The tables contain the most important guidelines, designs, types, dimensions and standard values for their subject areas.

#### Target groups:

Industrial and trade mechanics,  
Tool & Die makers, Machinists,  
Millwrights, Draftspersons,  
Technical Instructors,  
Apprentices in above trade areas,  
Practitioners in trades and industry,  
Mechanical engineering students.

## Mechanical and Metal Trades Handbook

2nd ed, 428 pp, numerous illustrations and charts, coloured, with thumb index, 15,5 x 21,5 cm, paper-bound  
Europa-No. 1910X  
Language: English



This title is an indispensable manual for those learning metal trades. But those studying for master or technician qualifications and university students also enjoy working with this reference work. The book contains tables for the following topics: Mathematical Basics, Scientific Basics, Technical Communication, Technological Aspects of Materials, Standards, Production Technology, Control and Regulation Techniques, Information Technology.

It contains an index with all terms in English.

## Tabellenbuch Metall Tables - Metal Technology

45th ed, 448 pp with additional 48 pp "Formulae for Metal Technology", illustrated, paper-bound  
Europa-No. 10609  
Language: German  
Translation available in:  
Chinese,  
Greek,  
Thai,  
Polish,  
Portuguese



**New Edition**



**Metalltechnik  
Grundstufe  
Arbeitsblätter  
Metal Technology,  
Elementary Level,  
Worksheets**

4th ed, 68 pp, coloured,  
DIN A4, paper-bound  
Europa-No. 17115  
Language: German

These work sheets for instruction for the metalworking trades contain interdisciplinary exercises of increasing difficulty. In addition to technology, mathematics and work planning can be useful with practical examples from the metal trades and industry.

These two issues cover the subjects of the elementary and higher levels for the occupations industrial mechanic, mechanical engineer, toolmaker etc.



**Metalltechnik Fach-  
stufe Arbeitsblätter  
Metal Technology,  
Advanced Level,  
Worksheets**

3rd ed, 112 pp, coloured,  
DIN A4, paper-bound  
Europa-No. 17719  
Language: German

**New Edition**



**Der Werkzeugbau  
Tool Manufacture**

15th ed, 352 pp, approx.  
800 illustrations, coloured,  
17 x 24 cm, paper-bound  
Europa-No. 10889  
Language: German  
Translation available in:  
Chinese,  
Greek

A fundamental textbook now in its 15th edition. Specific examples illustrate a wide range of theoretical and practical skills and form ideal support materials for teaching courses in the subject. Graded revision exercises make learning easier and enable the student to check his knowledge as he goes along. It is designed for tool makers, tooling mechanics, and process mechanics in the plastic and rubber industries. It is also a valuable textbook for extending existing knowledge and skills.

**New Edition**



The basic volume contains the fundamental knowledge for industrial and craft vocations in the field of metal technology. It provides a foundation for later specialist training. The book can be used at the vocational college and during practical training.

Contents: Length measurement technology, manufacturing technology, materials technology, machine and appliance technology, process control technology, information technology, electrical engineering.

The advanced volume builds on the knowledge acquired in "Metalltechnik Grundbildung". The chapters contained in the basic training are expanded upon and handle the topics with greater depth. This book is suitable for anyone interested in practical and advanced training in the fields of mechanical engineering.

Each teaching area is introduced with a graphical synopsis and mind map. More than 20 projects with a multidisciplinary (technology, mathematics, practice, work planning, presentation) structure require teamwork, work with Word, Excel and PowerPoint, use of the PDF format and access to information resources. Finally, a performance assessment system is presented, so that students can themselves assess the skills acquired.

Solution volumes with CD which include all Excel tables and images in PDF format are also available.

## Lernfelder 10 - 15 Training Areas 10 - 15

173 pp, coloured, DIN A4,  
paper-bound  
Europa-No. 19653  
Language: German

## Metalltechnik Grundbildung Basic Metal Technology

6th ed, 288 pp, numerous  
illustrations, coloured,  
17 x 24 cm, paper-bound  
Europa-No. 11117  
Language: German  
Translation available in:  
Greek, Czech



## Metalltechnik Fachbildung Advanced Level Metal Technology

5th ed, 480 pp, numerous  
coloured illustrations,  
17 x 24 cm, paper-bound  
Europa-No. 11419  
Language: German



## Arbeitsblätter Metalltechnik, Lernfelder 1 - 4 Worksheets Metal Technology Training Areas 1 - 4

3rd ed, 144 pp, numerous  
illustrations, coloured, DIN  
A4, paper-bound  
Europa-No. 19401  
Language: German



## Lernfelder 5 - 9 Training Areas 5 - 9

3rd ed, 160 pp, coloured,  
DIN A4, paper-bound  
Europa-No. 19606  
Language: German





## **Metallbau und Fertigungstechnik Grundbildung** **Metal Construction and Manufacturing Technology**

9th ed, 319 pp, approx.  
1200 coloured illustrations,  
17 x 24 cm, paper-bound  
Europa-No. 10013  
Language: German

This textbook is an elementary introduction to metal working technology for elementary training as metal worker in the metal working crafts and the industrial metal trades. Among the contents: Introduction to production technology, testing technology, materials technology, cutting, primary shap-ing, transforming, jointing, electrical engineering, control technology, fundamentals of information technology.

As a basic primer of metal technology, this book can not only be used at technical colleges, but also at polytechnics. It is a helpful aid to the student as an introduction to the fundamentals of manufacturing and materials technology.



## **Metallbautechnik Fachbildung** **Metal Construction Advance Level**

6th ed, 543 pp, approx.  
1500 coloured illustrations,  
17 x 24 cm, paper-bound  
Europa-No. 11311  
Language: German

The focus of this text book for vocational training is steel and metal construction. It covers all of the essential points of instruction for construction designers and metal engineers. This book is even suitable for plant engineers.



## **Arbeitsbuch Grundbildung Metallbau und Fertigungstechnik Lernfelder 1-4** **Workbook - Basics Metal Construction and Manufacturing Technology**

1st ed, 104 pp, illustrated,  
coloured, DIN A4  
paper-bound,  
Europa-No. 17913  
Language: German

A workbook accompanying the above-mentioned title. It is intended to be used in parallel in the training courses. The exercises in this workbook are presented in the form of projects involving tasks and problems of technology, technical mathematics and work flow planning for the fields of learning 1 to 4. The authors deliberately dispensed with the typical work sheet model and selected the form of an exercise book in order to allow trainees and students also to work on inter-disciplinary subjects and achieve corresponding learning goals. The learners should work out the presentation of the solution on their own, formulate their own sentences and use representations in compliance with standards.



An indispensable reference work for metal constructors, design engineers, structural engineers and draughtsmen. Among the contents: Technical communication, mathematical/scientific fundamentals, materials, connections and fastenings, structural elements. The book is practical in use thanks to the clear grouping of the contents. Every page is thematically concluded with tables, formulae and pictures.

Revised edition with an additional index with technical terms in English.

This technical guidebook is aimed at trainees in the apprenticeship profession "Plumber, Pipefitter, Metalworker". In addition to the traditional tasks of a plumber, it pays particular attention to new developments in this field. It deals with new work areas in facade construction and metal design in particular, as well as such traditional tasks as roof drainage, liquid storage/ channeling and metal roofing. Other topics include special roofing methods, lightning protection and snow protection.

This book provides specialist knowledge of windows, doors, facades and glass building extensions in far greater depth than the contents of normal technology books. The material is explained simply, so that students and those from other professions can also profit from it.

From the contents: Materials technology (especially glass, plastics and aluminium), technology dealing with windows, doors, facades and glass building extensions. Fundamentals and background knowledge of construction physics, statics, fire protection and much more.

It presents practical examples, working procedures and plans for workshop manufacture and assembly.

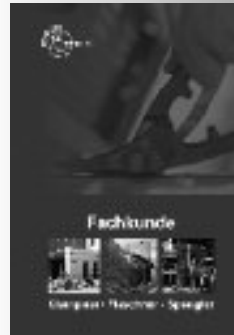
## **Tabellenbuch für Metallbautechnik** **Tables for Metal Construction Technology**

6th ed, 440 pp,  
15,2 x 21,5 cm, illustrated,  
paper-bound  
Europa-No. 16011  
Language: German



## **Fachkunde Klempner-Flaschner-Spengler** **Technical Textbook, Plumber, Pipefitter, Metalworker**

2nd ed, 320 pp,  
17 x 24 cm, numerous illustrations, coloured,  
paper-bound  
Europa-No. 14429



**New Edition**

## **Fenster-, Türen- und Fassadentechnik** **Window, door and facade technology**

3rd ed, 327 pp,  
17 x 24 cm, paper-bound  
Europa-No. 18316  
Language: German





## **Zerspantechnik Fachbildung Vocational Training in Machining Technology**

5th ed, 496 pp, illustrated,  
coloured, 17 x 24 cm,  
paper-bound, CD-ROM  
Europa-No. 14914  
Language: German

This book contains the syllabus of the 2nd, 3rd and 4th year of vocational training of machining mechanics and lathe operators and provides knowledge about turning, milling and grinding as well as other machining processes. In addition, the books includes supplementary chapters dedicated to machine tools, testing technology, quality management, control and automatic control, flexible manufacturing and special materials engineering.

Enclosed is a CD with all illustrations and 133 learning pictures. A subject index in English and German is included.



## **Arbeitsbuch Zerspantechnik Machining Technology - Workbook**

1st ed, 152pp, coloured,  
DIN A4, paper-bound  
Europa-No. 14832  
Language: German

Exercise book for the practice-oriented vocational training of metal cutting apprentices in the learning fields 5 to 13. This book allows the trainee to verify and consolidate the knowledge he/she has acquired in the training lessons. In addition to this, the trainee's ability to analyse advanced problems and find a solution on his/her own shall be further strengthened. Learning situations, often in the form of operation-related work orders, structure the fields of learning and include learning objectives and contents. The exercises require the trainee either to fill in the answers in empty lines provided for this or formulate solutions freely and write them down on extra sheets.

In addition to the workbook for pupils, a solution guide is available for teachers to facilitate the preparation of lessons and exercise.



## **CNC-Technik in der Aus- und Weiter- bildung CNC-Technology**

2nd ed, 127 pp, illustrated,  
coloured, DIN A4  
paper-bound  
Europa-No. 19312  
Language: German

Text and exercise book for basic and advanced training in the industrial metalworking professions. Control and machine-specific basics of CNC machines, programming of CNC machines, program structures and programming techniques, expanded programming with industrial control units, and PAL cycles. Information sheets convey the fundamentals of CNC technology. The instructor processes the content of the work sheets together with the students. The exercise sheets with sample tasks deepen the students' knowledge of the material and serve as a learning objective control.



The book was conceived for the theoretical vocational training of apprentices as well as the training on-the-job of master craftsmen and technicians.

The textbook summarizes all basic and special knowledge in plastics engineering.

Based on general technical fundamentals, the technologies of plastic processing are presented via the description of methods and procedures applied in practice. Included is a CD with all illustrations.

Fields of learning 1 to 4:

General fundamentals

Fields of learning 5 to 8:

Manufacture of moulded parts

Fields of learning 9 to 14:

Specialization

The worksheets are conceived for the theoretical vocational training of apprentices in plastics engineering. The contents and structure of the worksheets is aligned to the obligatory syllabus for the apprenticeship of process mechanics in plastics and rubber engineering.

The worksheets treat the learning fields 1 to 4.

The four learning fields are supplemented with experiments and exercises which are suitable for practical training units.

This book introduces readers and trainees to the methodical and systematic design. It provides guidance to the intuitive approach of a task and the selection and evaluation of solutions. Each step is illustrated with a variety of examples and exercises. All important aspects of a design task are dealt with in detail. The reader finds a thorough description of all typical machine elements and is familiarized with the use of the computer for the solution of design tasks. Also indispensable theoretical knowledge about the strength of materials is conveyed.

The book addresses technicians and students in the disciplines of mechanical engineering, production technology and mechatronics.

## **Fachkunde Kunststofftechnik, Lernfelder 1-14 Plastics Engineering**

2nd ed, 648 pp, more than 2000 illustrations, coloured, 17 x 24 cm, paper-bound, CD-ROM  
Europa-No. 13802  
Language: German



**New Edition**

## **Arbeitsblätter Kunststofftechnik, Lernfelder 1-4 Plastics Engineering Worksheets, Learning Fields 1 to 4**

1st ed, 130 pp, numerous illustrations, coloured, DIN A4, paper-bound  
Europa-No. 13842  
Language: German



**NEW!**

## **Konstruktionslehre Maschinenbau Mechanical Engineering-Design**

2nd ed, 416 pp, numerous illustrations, coloured, 17 x 24 cm, paper-bound, CD-ROM  
Europa-No. 14009  
Language: German



**New Edition**



**New Edition**

## **Steuern und Regeln für Maschinenbau und Mechatronik Open- and Closed- loop Control for Machine Constructions and Mechatronics**

12th ed, 448 pp, approx.  
450 illustrations, coloured,  
17 x 24 cm, paper-bound,  
CD-ROM  
Europa-No. 10021  
Language: German  
Translation available in:  
Chinese, Czech, Greek,  
Polish, Russian

A basic textbook on the control and regulation of machines and plant with mechanical, electrical, pneumatic and hydraulic control and drive elements, NC machines and robots, sensor technology and business processes in production.

Included is a CD with all illustrations and the solutions of the exercises.



**New Edition**

## **Industrielle Fertigung - Fertigungsverfahren, Mess- und Prüftechnik Industrial Production - Manufacturing Processes, Measuring and Testing**

5th ed, 896 pp,  
approx. 2000 illustrations,  
coloured, 17 x 24 cm,  
paper-bound, CD-ROM  
Europa-No. 53510  
Language: German

The text book is divided into two parts. The first part deals with modern industrial production, with processes for the manufacture of metallic work pieces from plastics, ceramic and glass. It describes the techniques of surface modification and joining, the new generative manufacturing processes and applications of laser technology. The second part deals with the processes of production metrology, materials testing, component testing and the qualification of production facilities. The focus is put on the methods of production metrology, measurement and testing using robots and image processing, CT, materials testing, component testing, qualification of production facilities.



Updated textbook, exercises and compendium with the fundamentals and components of automation technology: electrical, pneumatic, hydraulic, electronic, in analogue and digital technology. Comprehensive description of CNC technology, rapid prototyping, robotics and image processing. There is an intensive introduction to the procedures of Quality Management and PPS systems. The use of computer technology throughout the fields of measurement, control and regulation is thoroughly dealt with in DELPHI, C++ and LabView with Internet support.

## Automatisierungstechnik

### Automation Technology

9th ed, 544 pp, approx. 1350 illustrations, coloured, 17 x 24 cm, paper-bound, CD-ROM Europa-No. 51518  
Language: German



A textbook on the most important metal and non-metal materials: steels and cast iron materials, non-ferrous metals and their alloys, plastics and ceramic materials.

The composition and properties of materials are described, the interactions between material properties and production processes, as well as material testing. Included is a CD with all illustrations and exercises with detailed solutions.

## Werkstofftechnik Maschinenbau

### Materials in Machine construction

3rd ed, 703 pp, 17 x 24 cm, paper-bound, Europa-No. 52611  
Language: German



Formula collection for science and technology including approximately 4200 key words, 870 illustrations and 160 tables. Basic fundamentals, mathematics, technical physics, technical mechanics, chemical engineering, electricity science/electrical engineering, electronics/automation engineering/IT, manufacturing and CNC technology. The formula collection is structured according to the individual subjects and fields of science. The acknowledged rules of engineering form the basis of this collection.

## Formeln der Technik

### Formulas of Engineering

2nd ed, 479 pp., 15,2 x 21,5cm, paper-bound Europa-No. 53219  
Language: German





## **Fachkunde Mechatronik Mechatronics Engineering**

3rd ed, 640 pp approx.  
2000 illustrations,  
17 x 24 cm, paper-bound,  
CD-ROM  
Europa-No. 45119  
Language: German  
Translation available in:  
Slovenian

This textbook conveys in full the basic and technical knowledge needed to pursue a career in mechatronics. The key areas are fundamentals and manufacture of mechanical systems, fundamentals of electrical engineering, electronics and information processing, control technology, mechatronic systems, installation, maintenance and servicing of mechatronic systems. Included is a CD with all illustrations and tables.



## **Rechnen und Projektieren - Mechatronik Calculations and Projects - Mechatronics**

2nd ed, 320 pp, numerous  
illustrations  
17 x 24 cm, paper-bound  
Europa-No. 18618  
Language: German

A teaching book with exercises for teaching basic and specialist skills in the field of mechatronics. The main focus is on the problems of automation technology. Programmable logic controllers are divided into small controllers and modular systems. In the control engineering section, projects and exercises on devices and constant and variable controllers are presented.



## **Tabellenbuch Mechatronik Tables for Mechatronics**

6th ed, 504 pp,  
15,2 x 21,5 cm, illustrated,  
paper-bound  
Europa-No. 45011  
Language: German

A compendium and reference work for the fields of electrical engineering and metal technology. It contains a large number of reference tables which are indispensable for vocational college training and in professional practice. The subjects of electrical engineering, metal technology and information technology are presented in a clear, concentrated, but comprehensible form.



The course book contains the complete course material for sanitation, heating and air conditioning engineers. Starting from guide projects, installation and heating technology is logically divided into fifteen teaching areas. These are subdivided into technological, mathematical, technical drawing and work planning content. Each teaching area starts with a customer assignment. This facilitates practice-orientated teaching. This is rounded off with further customer assignments and requirements. The book includes a CD with all illustrations.

The learning situations are based on typical tasks and problems mechanics of sanitary, heating and ventilation systems and installations have to cope with when executing work or customer orders: working on components using manual tools; working on plant parts using electrical tools; processing of customer orders; manufacturing of simple assemblies. A folded model of a detached house with erection instructions is included.

The second volume deals with water and waste water system installation on the one hand and the detailed planning of heat distribution systems on the other, against the background of an increasing scarcity of energy resources.

Compact textbook of sanitary, heating, ventilation and air conditioning for the vocational training of apprentices and craftsmen. The figures, data and facts are presented in formulas, tables and charts and constitute a solid basis for exercise, homework and the preparation of examinations. They also provide professionals with important advice concerning construction elements and work processes. Professions: Sanitary and HVAC plant mechanics

## **Fachkunde Installations- und Heizungstechnik Lernfelder 1 - 15 Installation and Heating Technology**

4th ed, 720 pp, approx.  
1800 illustrations,  
coloured, 17 x 24 cm,  
paper-bound, CD-ROM  
Europa-No. 1521X  
Language: German  
Translation available in:  
Italian



**New Edition**



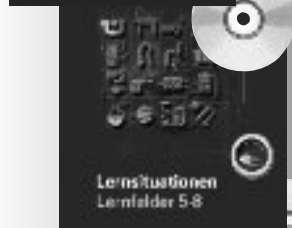
## **Installations- und Heizungstechnik, Lernfelder 1-4 Installation and Heating-Workbook**

1st ed, 122 pp, illustrated,  
coloured, DIN A4, paper-  
bound, CD-ROM  
Europa-No. 14573  
Language: German  
Translation available in:  
Croatian



## **Installations- und Heizungstechnik, Lernfelder 5 - 8 Installation and Heating-Workbook**

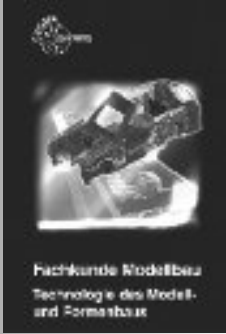
1st ed, 178 pp, DIN A4,  
CD-ROM  
Europa-No. 14047



## **Tabellenbuch Sanitär-, Heizungs- und Klimatechnik Sanitary, Heating, Ventilation and Air Conditioning Tables, Standards, Formulas**

1st ed, 544 pp., coloured,  
15,2 x 21,5, paper-bound,  
Europa-No. 16638  
Language: German





## **Fachkunde Modellbau** **Model Construction**

5th, 479 pp, numerous illustrations, coloured, 17 x 24 cm, bound  
Europa-No. 1244X  
Language: German

"Fachkunde Modellbau" is a completely revised standard work for the training of model makers and model construction engineers. This work on the technology and practice of model and mould making contains the basic and advanced knowledge needed.

From the contents:

Manufacture of models, computer aided techniques, rapid prototyping, vehicle bodywork modelling, mould construction, foundry pattern construction, materials science.



## **Fachkunde für gießereitechnische Berufe** **Foundry Technology**

6th ed, 416 pp, approx. 1500 illustrations, coloured, 17,5 x 24,5 cm, hardcover  
Europa-No. 1793X  
Language: German

Containing all required basics, job-specific technical communication and advanced technology, this standard work is not only a course book for apprentices, but also a reference book for masters and technicians.

A completely revised edition with all new standards, modern layout, coloured illustrations.



## **Fachkunde Karosserie- und Lackiertechnik** **Vehicle bodywork and paintwork**

2nd ed, 688 pp, numerous illustrations, coloured  
17 x 24 cm, paper-bound  
Europa-No. 21511  
Language: German

This course book was produced based on Fachkunde Kraftfahrzeugtechnik with the addition of substantial content on vehicle bodywork and paintwork. Beginning with the construction and materials of modern vehicle bodywork, this book describes the foundations of vehicle bodywork and paintwork, recognition of accident damage and expert repair work. An understanding of this complex material is facilitated by the clear and comprehensible presentation, colour pictures, system diagrams and tables.



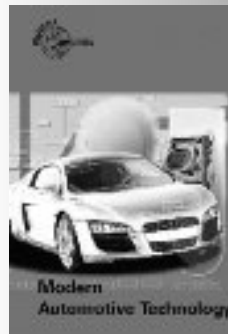
"Modern Automotive Technology" is a standard work covering the subject of automotive technology. This first English edition is based on the 28th German edition of the title "Fachkunde Kraftfahrzeugtechnik". The work is admirably suited for automobile engineering apprentices, but is also useful for fitters, master craftsmen and technicians as a reference work.

Among the contents: Motor vehicle; Basics of information technology; Open- and closed-loop control technology; Test technology; Production engineering; Material science; Friction, lubrication, bearings, seals; Design and operating principle of a four-stroke engine; Mechanical engine components; Mixture formation; Two-stroke spark-ignition engine, rotary engine; Drivetrain; Vehicle body; Chassis; Electrical engineering; Comfort and convenience technology; Motorcycle technology; Commercial vehicle technology.

## **Modern Automotive Technology - Fundamentals, service, diagnostics**

1st ed, 688 pp, approx.  
2000 illustrations  
17 x 24 cm, paper-bound  
Europa-No. 23018  
Language: English

Translations available in:  
Arabic, Chinese, Czech,  
Croatian, English, French,  
Greek, Hungarian, Italian,  
Slovenian, Norwegian



"Fachkunde Kraftfahrzeugtechnik" is a standard work, containing the latest developments in automobile technology. Among the contents: testing technology, production technology, materials technology, machine and appliance technology, control technology, fundamentals of information technology, electrical engineering, motors, power transmission, suspension, two-wheeler technology, utility vehicle engineering, electrical plant.

The work is admirably suited for automobile engineering apprentices, but is also useful for fitters, master craftsmen and technicians as a reference work. The book was written by a team of pedagogically experienced technical college lecturers and engineers in close collaboration with the craft and the industry. Included is a CD with all illustrations.

## **Fachkunde Kraftfahrzeugtechnik Automotive Engineering**

29th ed, 720 pp, approx.  
1600 illustrations, full  
colour, paper-bound,  
CD-ROM  
Europa-No. 20108  
Language: German

Translations available in:  
Arabic, Czech, Croatian,  
English, French, Greek,  
Hungarian, Italian, Polish,  
Slovenian, Norwegian





## Technologie des véhicules à moteur

2nd ed, 720 pp, approx.  
1600 illustrations  
17 x 24 cm, paper-bound  
Europa-No. 22216  
Language: French

"Technologie des véhicules à moteur" (Fachkunde Kraftfahrzeugtechnik, 29<sup>ème</sup> éd.) est un ouvrage qui sert de référence aux professionnels de l'automobile en formation, mais aussi aux professionnels accomplis. Il explique le but et le fonctionnement de nombreux dispositifs dont sont pourvues les automobiles d'hier et d'aujourd'hui.



## CD d'images Technologie des véhicules à moteur

2nd ed, CD-ROM  
Europa-No. 86380

Le CD contient toutes les images du livre. L'accès à l'image désirée est facile. A l'aide d'une fenêtre où il y a un aperçu du contenu vous arrivez immédiatement à une fenêtre d'affichage. Puis vous pouvez regarder et imprimer l'image. Il y a aussi la possibilité de la copier dans le presse-papiers afin de l'utiliser dans un autre logiciel.



## Technique automobile Fiche de travail - Connaissances de base

118 pp, numerous coloured illustrations, DIN A4, paper-bound  
Europa-No. 23513  
Language: French

Cahier d'exercices avec des exercices clairement délimités pour l'acquisition de connaissances de base et qui peuvent être résolus à l'aide du livre spécialisé "Technologie des véhicules à moteur" et d'un livre de tableaux. Les sujets traités sont les suivants : technique de contrôle, technique de fabrication, technique de véhicules automobiles, technique des matériaux, techniques de commande et de régulation, dessin technique, électrotechnique.

German edition  
see page 19



## Technique automobile Fiche de travail - Connaissances professionnelles

208 pp, numerous coloured illustrations, DIN A4, paper-bound  
Europa-No. 23612  
Language: French

Cahier d'exercices pour traiter de façon autonome les problèmes techniques de véhicules automobiles dans les secteurs suivants : moteur Otto à quatre temps, transmission de la force, châssis, équipement électrique.

German edition  
see page 19



The ideal standard book for solving the problems and tasks involved in work planning, technology in practice and in the technology laboratory. The book is divided into six major sections: mathematics, basic principles, more specialized aspects of motor car mechanics, materials science, drawing, a part devoted to standards.

This layout enables the user to find very quickly what he or she wants. The six sections can easily be opened by thumb index. At the end of the book there is a very comprehensive index so that you can easily find the reference item you are looking for.

**Exam Book of Automotive Engineering**  
A state-of-the-art standard textbook for the preparation of exams and written tests in class: the syllabus of automotive engineering is presented in the form of questions and answers on different requirement levels.

The well-structured and systematic presentation of the syllabus provides for a well-directed preparation of exams.

The CD contains all of the illustrations in the "Fachkunde Kraftfahrzeugtechnik" and tables. The illustrations can be displayed in different sizes, copied into the clipboard and then printed out. A comfortable search function permits the targeted search of images.

Additionally, there are many images in the professional version which can be edited with "Drag and Drop" or animated.

## **Tabellenbuch Kraftfahrzeugtechnik Tables - Automotive Engineering**

16th ed, 496 pp and additional 64 pp "Formulae for Automotive Engineering", numerous illustrations, paper-bound  
Europa-No. 2056X  
Language: German  
Translations available in:  
Czech,  
Polish



## **Prüfungsbuch Kraft- fahrzeugtechnik Exam Book of Automotive Tech- nology**

9th ed, 324 pp, illustrated, two-coloured, paper-bound,  
Europa-No. 20442  
Language: German



## **Bilder & Animationen Kfz-Technik Illustrations & Animations - Auto- motive Engineering**

CD-ROM  
2nd ed,  
Classroom licence  
"Professional"  
Europa-No. 86020  
Language: German





Arbeitsblätter  
Kraftfahrzeugtechnik  
Lernfelder 1-4

## **Arbeitsblätter Kraftfahrzeugtechnik Lernfelder 1-4 Worksheets for Auto- motive Engineering Training Fields 1-4**

2nd ed, 200 pp numerous illustrations, coloured, DIN A4, paper-bound  
Europa-No. 22410  
Language: German

These workbooks with numerous illustrations are a supplement to the Europa-Lehrmittel book series "Automotive Technology". Working his way through the worksheets on his own, the apprentice learns to appreciate and describe vehicle specific technology in its context.

### Training fields 1-4

This encompasses maintenance and upkeep, assembly and installation, electricity and electronics, open- and closed-loop control technology.



Arbeitsblätter  
Kraftfahrzeugtechnik  
Lernfelder 5-8

## **Arbeitsblätter Kraftfahrzeugtechnik Lernfelder 5-8 Training Fields 5-8**

1st ed, 152 pp numerous illustrations, coloured, DIN A4, paper-bound  
Europa-No. 22712  
Language: German

### Training fields 5-8

This encompasses testing and repair of the power supply and starting systems, testing and repair of the internal workings of the engine, diagnostics and repair of the engine management systems, as well as carrying out service and repair work on the emission control systems.



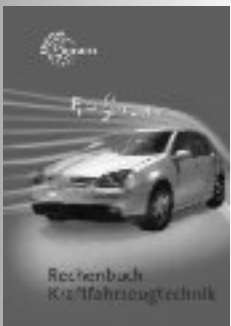
Arbeitsblätter  
Kraftfahrzeugtechnik  
Lernfelder 9-14

## **Arbeitsblätter Kraftfahrzeugtechnik Lernfelder 9-14 Training Fields 9-14**

1st ed, 184 pp numerous illustrations, coloured, DIN A4, paper-bound  
Europa-No. 2281X  
Language: German  
Translation available in:  
Chinese, Croatian

### Training fields 9-14

Maintenance of transmission, chassis and braking systems, retrofitting and initiation of auxiliary systems, testing and repair of networked systems, diagnosis and repair of coachwork, comfort and security systems.



Rechenbuch  
Kraftfahrzeugtechnik

## **Rechenbuch Kraftfahrzeugtechnik Calculating Book - Automotive Engineering**

9th ed, 272 pp with more than 360 illustrations, paper-bound  
Europa-No. 20329  
Language: German  
Translations available in:  
Croatian

A comprehensive text- and exercise book with basic mathematical exercises followed by a more advanced stage containing technical, vehicle-related, and cost calculations as well as project-orientated exercises.

More than 1200 exercises enable the student to practise on actual examples.

A separate book with solutions is also available.



## Technische Kommunikation Arbeitsplanung Kraftfahrzeugtechnik Technical Communication - Work Planning Automotive Engineering

A workbook for the independent processing and acquisition of basic knowledge. The problems can be independently solved with the help of the books "Fachkunde Kraftfahrzeugtechnik" and "Tabellenbuch Kraftfahrzeugtechnik" in the technical book series from Europa-Lehrmittel.

A workbook for the independent processing and learning of complex automobile engineering procedures and relationships. There are technical system drawings, circuit diagrams and work plans to be evaluated and to be created. The clearly defined tasks can be independently solved with the help of the books "Fachkunde Kraftfahrzeugtechnik" and "Tabellenbuch Kraftfahrzeugtechnik".

This standard work of general bicycle engineering contains all information on bikes with a large number of relevant tables and should be at hand in every bike trade as a primary reference work for apprentices as well as masters. All components of a bicycle are described extensively and absolutely up-to-date. Furthermore mathematical-technological knowledge is transferred, as well as ergonomics or the adaptation between human and machine.

The section Driving Mechanics is also appropriate to the tuition of apprentices specialised to motorcycle engineering.

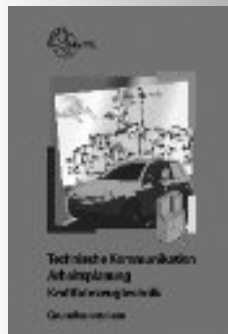
Contains all important formulas concerning bicycles, tables of all bicycle parts and components, notes on measuring and ergonomics, technical terminology that has to be known by apprentices in their final examination and by master tradesmen in the workshop. Comprehensive collection of standards, regulations and laws relating to all aspects of the bicycle.

### Grundkenntnisse

#### Basic Knowledge

1st ed, 120 pp., coloured, DIN A4, paper-bound  
Europa-No. 21910  
Language: German

French version see page 16

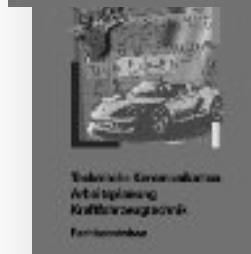


### Fachkenntnisse

#### Advanced Knowledge

5th ed, 208 pp with more than 450 coloured illustrations, DIN A4, paper-bound  
Europa-No. 20310  
Language: German  
Translation available in:  
Chinese

French version see page 16



### Fachkunde

#### Fahrradtechnik

#### Bicycle Engineering

3rd ed, 424 pp, numerous illustrations, coloured, 17 x 24 cm, paper-bound  
Europa-No. 22917  
Language: German



### Tabellenbuch

#### Fahrradtechnik

#### Book of Tables for Bicycle Technology

2nd ed, 392 pp,  
15,2 x 21,5 cm, numerous illustrations, coloured,  
paper-bound  
Europa-No. 23315





## **Fachkunde Elektrotechnik Electrical Engineering**

27th ed, 640 pp,  
more than 1500 coloured  
illustrations and tables,  
paper-bound, with  
CD-ROM

Europa-No. 30138

Language: German

Translations available in:

Czech,  
Greek,  
Spanish

This volume covers vocational and advanced training and education in the field of Electrical Engineering and Electronics. It provides basic knowledge of the entire field and expert know-how in such vocations as electrician, power electronics specialists for industrial systems and building services systems engineers, and electrical machine construction specialists, general electricians and technicians for electromechanical equipment.

"Fachkunde Elektrotechnik" is ideally suited for vocational schools and company training centers. Furthermore, the book provides solid fundamentals for all other vocations in the area of electrical engineering and electronics. It serves as a primary reference work for technicians and master craftsman, and can be used for more in-depth training and education as well.

The accompanying DVD contains all illustrations and tables of the book.



## **Praxis Elektrotechnik Practical Electrical Engineering**

11th ed, 320 pp with more  
than 800 illustrations and  
tables, 17 x 24 cm, paper-  
bound

Europa-No. 30812

Language: German

Translations available in:

Czech,  
Polish

This well proven textbook teaches the required basic and advanced knowledge for the power related electrical professions in craft and industry. All chapters have been revised and adapted to current standards.

The book is divided into manageable learning sections and supports practical, action oriented instruction. Numerous multicoloured images and tables contribute to the understanding of complex subjects in practical electrical engineering. Important contents of the learning sections are summarised as an aid to memory. Revision questions help to consolidate and check the knowledge gained.

Main points covered: Identification and nominal voltages of harmonised conductors, layout types and current carrying capacity of insulated conductors and cables, circuit diagrams and contact designations.

**New Edition**



The book "Tabellenbuch Elektrotechnik" is an indispensable reference book for teaching and professional practice.

In spite of its wealth of material, this book is characterised by its clear and understandable presentation. Easy handling of the book is ensured by the thumb register and the extensive glossary.

Among the contents: materials, connecting technology, environmental technology, technical communication, electrical systems, control systems, electric motors, digital technology, computer technology, components, modules, measurement, mathematics, physics, circuit theory, costs.

## **Tabellenbuch Elektrotechnik Tables - Electrical Engineering**

24th ed, 512 pp, more than 3000 illustrations, 15,5 x 21,5 cm, paper-bound  
Europa-No. 30103  
Language: German  
Translations available in: Czech, English, Flemish, Greek, Thai



**New Edition**

## **Electrical Engineering Tables, Standards, Formulas**

English version of "Tabellenbuch Elektrotechnik", 22nd ed., 456 pp, more than 3500 illustrations, 15,5 x 21,5 cm, paper-bound  
Europa-No. 30337  
Language: English



The tried and tested "Prüfungsbuch Elektrotechnik" is a comprehensive preparation textbook for the theoretical exams for all branches of electrical power engineering. More than 3,000 questions and answers cover all major exam subjects. The book has approx. 1,000 illustrations offering additional in-depth information. The book's effective structure comprises individual units, each with a question, answer and explanation.

## **Prüfungsbuch Elektrotechnik Exam Book Electrical Engineering**

16th ed, 448 pp, numerous illustrations, 17 x 24 cm, paper-bound  
Europa-No. 30650



**New Edition**



**Arbeitsbuch  
Elektrotechnik,  
Lernfeld 1 – 4  
Working book  
Electrical Engineering**

3rd ed, 176 pp, coloured,  
DIN A4, paper-bound  
Europa-No. 37469  
Language: German

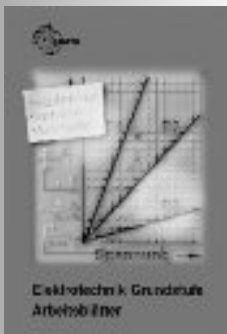
Compact workbook for strengthening technical expertise: analysis of electro-technical systems and functional testing, planning and execution of electric installations, analysis and adjustment of controls, preparation of IT systems.



**Arbeitsbuch  
Elektrotechnik,  
Lernfeld 5 - 13  
Workbook for Electrical  
Engineering, Field  
of Learning 5 - 13**

1st ed, 256 pp, DIN A4,  
numerous illustrations,  
coloured, paper-bound  
Europa-No. 37566  
Language: German

The book is intended to promote independent work during basic and further training and strengthen professional competence in the field of energy technology. It contains one or more learning situations for each field of learning along with space for entering the solutions. Suitable for all apprentices learning an electrical profession in industry and tradesman's businesses. Data sheets in the appendix enable students to work on their own, while control is possible thanks to a solution book. The learning situations are orientated around professional practice and each one ends with a repetition page "Test your technical skills". The technical textbook "Fachkunde Elektrotechnik"/"Electrical Engineering" (p. 20) can be used as assistance and to solve the problems.



**Elektrotechnik  
Grundstufe  
Arbeitsblätter  
Electrical Engineering  
- Elementary Level -  
Worksheets**

9th ed, 96 pp, 180 illustrations,  
DIN A4, paper-bound  
Europa-No. 30227  
Language: German

With these worksheets, the student can work independently with the help of his textbook and, in this way, can revise and consolidate what he has learnt. The completed worksheets subsequently form a compendium of the course material. The elementary level worksheets cover the whole elementary level syllabus for electrical engineering/electronics by means of differentiated tasks.

Contains numerous illustrations and a glossary.



The higher level worksheets embrace the same concept as the elementary level. The higher level is primarily directed at the acquisition of specialist knowledge in electrical engineering.

Contains numerous illustrations and a glossary.

## **Elektrotechnik Fachstufe Arbeitsblätter Electrical Engineering - Advanced Level - Worksheets**

7th ed, 96 pp, 150 illustrations, DIN A 4, paper-bound

Europa-No. 30413  
Language: German



This elementary level textbook covers the syllabi for all electrical vocations, both in the field of power engineering, such as electrical installation engineers, electric motor constructors, electrical fitters, energy electronics engineers, electro-mechanical engineers and industrial electronics engineers, and also for vocations in communications technology.

It is a clearly laid-out and reader-friendly book with examples, exercises, theorems to memorise and numerous illustrations.

## **Elektrotechnik Grundbildung Electrical Engineering - Basic Knowledge**

8th ed, 304 pp with more than 500 coloured illustrations, 120 tables, 17 x 24 cm, paper-bound

Europa-No. 3141X  
Language: German



**New Edition**

This textbook and exercise book is intended to complement the titles "Fachkunde Elektrotechnik" and "Tabellenbuch Elektrotechnik" of the Europa-Lehrmittel series as it represents the mathematical part and the calculations needed in this field.

In its conception and difficulty level the book is intended above all for the energy engineering side of electrical engineering.

## **Rechenbuch Elektrotechnik Calculating Book - Electrical Engineering**

17th ed, 280 pp with 700 illustrations, 17 x 24 cm, paper-bound

Europa-No. 30766  
Language: German





### **Informationsband - lernfeldorientiert** Reference Volume

7th ed, 231 pp, more than  
800 illustrations, DIN A4,  
paper-bound  
Europa-No. 32416  
Language: German

The reference book for power engineering vocations covers a wide range of subject areas. These extend, in production technology, from the representation of simple workpieces to the exploded drawing and, in circuit technology, from installation circuits, protection circuits, transformers, motors, semiconductor technology and digital technology, control systems, including programmable controllers, communications technology, information technology, environmental protection and project processing.

This book provides all the information required for the solution of circuit technology and function analysis problems, both for the academic and the practical sections of the training in the field of power engineering.



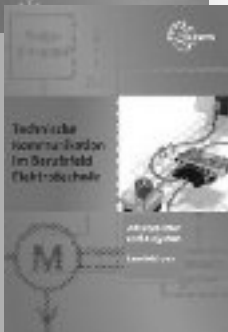
### **Arbeitsblätter und Aufgaben** - Grundbildung Worksheets and Exercises - Basic Knowledge

3rd ed, 101pp, DIN A4,  
paper-bound  
Europa-No. 35717  
Language: German

The basic and advanced level of the "Worksheets and Exercises" reinforce the material dealt with in the reference book described above.

Wiring diagrams, block diagrams, timing diagrams, structograms, program flowcharts and parts lists are all shown in standardised form.

Modern layout, headings on each page in German and English.



### **Arbeitsblätter und Aufgaben** - Fachbildung Worksheets and Exercises - Ad- vanced Knowledge

3rd ed, 153 pp, DIN A4,  
paper-bound  
Europa-No. 35911  
Language: German



A compact textbook containing all the knowledge required for a first course in the special subjects of computer science and commercial computer science.

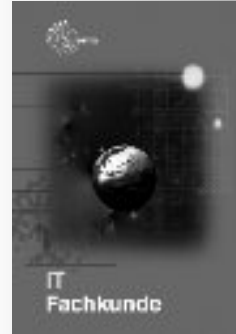
Commercial contents (operation, business processes), simple computer systems, computer English, development and preparation of application systems (programming, database technology), computer networks, market research, public networks and services (Internet, network technology), administration of computer systems, accounting and controlling.

Completely redeveloped reference work, compiled by IT experts. Valuable to trainees, students, IT experts, computer system engineers, electronics experts (information and telecommunication engineers).

Compact text and exercise book that doesn't only present the subject matter but also explains important relationships while further expanding the understanding of the field using illustrative application examples. Great emphasis was placed on explaining even complex issues in an easily understandable manner. The methodically balanced content also makes this book suitable for independent learning. Test and revision exercises are provided at the end of many chapters to help students prepare for tests and final exams; solutions on the CD. Main topics: system design, technical information sciences, structured programming, basic algorithm development, object-oriented analysis and object-oriented design, database engineering, operating systems, networked systems, execution of project work.

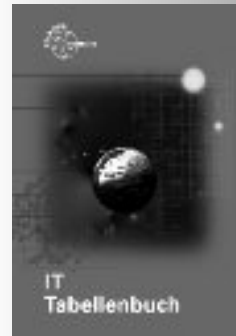
### **IT Fachkunde** **Computer Science**

3rd ed, 564 pp., 17 x 24 cm, paper-bound  
Europa-No. 36519  
Language: German



### **IT Tabellenbuch** **IT - Tables**

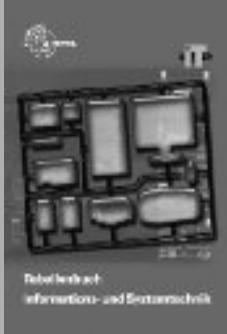
2nd ed, 421 pp, coloured, numerous illustrations, 15,5 x 20,5 cm, paper-bound  
Europa-No. 37019  
Language: German



### **Informatik und Informationstechnik für allgemeinbildende und berufliche Gymnasien** **Computer Sciences and Information Technology for Grammar Schools Providing General and Vocational Education**

1st ed, 344pp., 17 x 24 cm, numerous illustrations, paper-bound,  
Europa-No. 30047  
Language: German





## **Tabellenbuch Informationstechnik Tables - Information Technology**

9th ed, 479 pp with 52 pp  
formulae, 1600 illustrations,  
coloured,  
15,2 x 21,5 cm,  
paper-bound  
Europa-No. 33722  
Language: German

"Tables – Information Technology" is a valuable help as a compendium and reference book for the vocational training and a reliable mentor in practice. This easy-to-manage book of tables is designed for the communications electrician in the areas of information technology, radio technology and telecommunications technology for the industrial electricians, for radio and TV technicians, electro-mechanics, office information electricians and the areas within the information technology.



## **Fachkunde Industrielektronik und Informationstechnik Industrial Electronics and Information Technology**

10th ed, 688 pp more than  
1700 coloured illustrations  
and tables, 17 x 24 cm,  
paper-bound  
Europa-No. 32319  
Language: German  
Translations available in:  
Czech

"Fachkunde Industrielektronik und Informationstechnik" is a textbook for basic and advanced levels in industrial electronics and information technology. It is ideally suited for vocational training, for learners at high schools, technically-oriented schools and company training centers. It is also beneficial as a fundamental introduction to the entire field for learners at higher-level vocational schools, students at technical colleges and vocational academics, poly-techs and universities specializing in engineering.

Contents: Basics of Electrical and Electronic Engineering, Applications in Electrical and Electronic Engineering, Digital Technology, Data Technology, Measurement, Controlling, Regulation, Power Electronics, Environmental Protection.



The book is compiled systematically by subject in order to facilitate referencing, revision and in-depth study. It contains explanations and illustrations of the formulas and laws of fundamental electrics and basic knowledge of electronics. The 15th edition has been revised to reflect technical developments, as well as altered standards and regulations. The book is ideally suited for vocational training as an industrial electronics technician specializing in equipment and systems.

In addition to this, it contains the knowledge of electronics required for the first two years of training in the apprenticeship professions: Electronics Specialist for Equipment and Systems Technology; Electronics Technician for Automation Technology; System Engineer and Mechatronics Engineer.

It is also well suited for use in technical colleges, e.g. in the subjects Mechatronics and Electrical Engineering, as well as in electro-technical and IT vocational training colleges and high schools.

**Elektronik  
Grundwissen  
Basics Electronics**

15th ed, 352 pp, more than 500 illustrations, coloured, paper-bound  
Europa-No. 31789  
Language: German  
Translation available in:  
Polish



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**Contact us at  
[info@europa-lehrmittel.de](mailto:info@europa-lehrmittel.de)**

**[www.pfanneberg.de](http://www.pfanneberg.de)**



## **Fachkunde Büro- und Informations-elektronik**

### **Office and Information Electronics**

7th ed, 696 pp, more than 2100 coloured illustrations and tables, 17 x 24 cm, paper-bound  
Europa-No. 32513  
Language: German

It is a basic textbook for elementary and higher training in the vocational areas of information electronics, communications electronics, office systems electronics, media design and IT. This thoroughly revised and updated textbook is characterised by its understandable presentation with many pictures, examples and questions.



## **Informationstechnik und Telekommunikationstechnik**

### **Information Technology and Telecommunications Technology**

5th ed, 407 pp, 17 x 24 cm, more than 1000 illustrations and tables, coloured, paper-bound  
Europa-No. 36217

A practice-orientated textbook suitable for all technical information and telecommunications professions, in particular in IT. The content of this technical manual ranges from the basics of electrical, installation and communications engineering through digital technology, workplace computers (set-up, networking, data storage), transmission networks (LWL, protocols such as SDH, ATM, IP), network hubs, local area networks and PC communication, transmission and signalling technology, to IT end units and their network connections. Great emphasis is placed on standardized terminology and graphic symbols in the explanations and many illustrations.



## **Tabellenbuch Industrielle Computertechnik**

### **Tables Computer Technology**

7th ed, 480 pp, more than 1000 illustrations, 15,2 x 21,5 cm, paper-bound  
Europa-No. 34214  
Language: German

A reference work with a wealth of information from the field of computer technology. Suitable for IT vocations, communications electronics engineers, for technical colleges.

Main subjects covered: Codes, calculations, documentation, memory, computers, periphery, measurements, programming languages, operating systems, user software, data transmission, microprocessors and microcontrollers, special computer applications, environmental technology.



This title encompasses fundamental concepts for professions in the building industry as well as subsequent specialised training for the regulated profession of carpentry. It contains 12 subject areas for specialised training beyond the 6 contained in the title "**Bautechnik nach Lernfeldern - Grundbildung**". A CD is included containing all images and tables for the book.

**Bautechnik nach  
Lernfeldern –  
Zimmerer  
Civil Engineering -  
Carpenter**

2nd ed, 612 pp, coloured,  
17 x 24 cm, numerous  
illustr., paper-bound, with  
illustrations on CD and  
booklet with basic  
information  
Europa-No. 43914  
Language: German



Reference book for training and further education as well as practical carpentry. Contains formulas, tables and many illustrations as well as outlining the contents of national and European standards. Index contains over 2000 keywords; comprehensive index of applicable standards. Relationships covered by cross referencing. For all carpentry apprentices, students at technical colleges and colleges for master craftsmen as well as for practical application by foremen, master craftsmen, technicians and skilled tradesmen in their work.

**Tabellenbuch  
Zimmerer  
Tables for  
Carpenters**

1st ed, 382 pp,  
15,2 x 21,5 cm,  
paper-bound  
Europa-No. 43177





**New Edition**

## **Bautechnik Fachkunde Bau Civil Engineering - Construction Works**

14th ed, 628 pp,  
approx. 1400 illustrations,  
coloured, 17 x 24 cm,  
paper-bound.  
CD-ROM included  
Europa-No. 40222  
Language: German  
Translations available in:  
Czech,  
Greek,  
Italian,  
Russian

A textbook for training in the vocational field of construction works: for builders of concrete and reinforced concrete buildings, bricklayer, roofing specialists, carpenters, technical drawers, building construction and civil engineering. The edition is in line with state-of-the-art technology. The book includes a CD-ROM which contains all of the figures and tables inside the book.

This volume is particularly well-suited for instruction in vocational schools and company training centers. It is a useful textbook for knowledge review for technical schools training master craftsman and technicians. As a source of reference it is also a valuable tool at the construction site or in the office.



## **Bautechnik nach Lernfeldern - Grundbildung Civil Engineering - Basics**

282 pp, coloured, 17 x 24  
cm, numerous illustr.,  
paper-bound, with illustra-  
tions on CD and booklet  
with basic information  
Europa-No. 45216  
Language: German

Contains the 6 required subject fields for trainees in the vocational field of structural engineering. Set-up of construction sites, development and foundation of a construction, building of a single-skin structure, creation of reinforced concrete building components, creation of wood constructions, coating and cladding of a structural member.



Professions: Bricklayers, skilled building construction workers, concrete and reinforced concrete construction workers. Contains the above-mentioned apprenticeship professions in all fields of learning with the prescribed contents, adapted to reflect the state of the art. The study content for each of the main construction professions is marked in different colours in the margin. The book is subdivided into: Introduction to the fields of learning as a thematic overview; Knowledge of the field of learning with technological, technical mathematical, graphical and safety technology contents; Special exercises as project tasks. Included is a CD with all illustrations and tables and a booklet with all necessary information for classroom tests and exams.

**Bautechnik nach Lernfeldern Gesamtband**  
**Construction Technology by Fields of Learning – Comprehensive Volume**  
 2nd ed, 646 pp, numerous illustrations, coloured, 17 x 24 cm, paper-bound, CD-ROM  
 Europa-No. 41911



**New Edition**



Designed for those who are working auto-didactically to become familiar not only with simple but also with more complicated problems and also for students who wish to use it as an adjunct to their course materials or who wish to deepen their knowledge and skills. The reader will find carefully constructed examples for individual parts of a building, for thermal insulation regulations and also for regulations covering complete building projects. Contents: Thermal protection, Damp – Damp protection, Noise – Noise abatement, Fire protection, Construction chemicals.

**Bauphysik**  
**Building Physics**  
 8th ed, 376 pp, approx. 440 illustrations, 17 x 24 cm, paper-bound  
 Europa-No. 42616  
 Language: German  
 Translations available in: Greek, Italian



**New Edition**



**New Edition**

## **Bautechnik Fachmathematik Civil Engineering - Technical Mathematics**

8th ed, 266 pp and 48 pp  
formulae, numerous illus-  
trations, 17 x 24 cm,  
paper-bound  
Europa-No. 42012  
Language: German

A textbook and exercise book with basic and advanced mathematical exercises for construction workers, bricklayers, for builders of concrete and reinforced concrete buildings as well as for technical draughtsmen.

The rules of calculation and mathematical laws are assigned to the relevant sections in theorems and formulae. Detailed application examples serve as models for completion of the exercises set. Numerous practical drawings are included to promote quick and certain comprehension of the subject by continual practice in reading drawings.



## **Tabellenbuch Bautechnik Tables - Civil Engi- neering**

10th ed, 416 pp, numerous  
illustrations, 15,2 x 21,5  
cm, paper-bound  
Europa-No. 42519  
Language: German

An indispensable reference work for vocational schools, in-service courses and further training courses. The book of tables contains formulae, tables and standards and is divided up into 8 topic areas. Many diagrams, practical examples and explanations of constructional measuring processes help the reader in educational establishments and in the job.

An index with more than 2000 items an easy to use source of reference.



This textbook has been developed for people taking apprenticeships in road building to confidently and competently provide them with the comprehensive fundamentals required. In a clear and understandable manner, this book explains to practitioners at the construction site the increasingly complex methods and procedures used in modern road building. Numerous illustrations also help clearly present the subject matter. Project exercises based on the specifically defined areas of learning round off the book.

**Straßen- und Tiefbau**  
**Road Construction and Civil Engineering**

11th ed, 609 pp.,  
 17,5 x 24,5 cm , numerous illustrations, coloured, paper-bound,  
 Europa-No. 46710  
 Language: German



This technology book outlines the most important principles required for the training of plasterers and drywall builders in an easily understandable manner. The contents possess a clear and practical structure that is useful in lessons and therefore also excellently suited for self study. The required in-depth knowledge has been divided into eleven subjects each of which is rounded off by exercises. The appendix contains project exercises and tables relating to all fields of learning required by plasterers. From the contents: construction, scaffolding, preservation of structures, plasterwork, floorings, stucco work, internal non-supporting partitions, suspended and false ceilings, arches, colour schemes, architectural styles.

**Technologie für Stuckateure und Trockenbauer**  
**Technology for Plasterers and Drywall Builders**

4th ed, 404 pp., 17 x 24cm,  
 numerous illustrations, paper-bound  
 Europa-No. 43344  
 Language: German



This textbook covers the current subject matter important to this apprenticeship and provides detailed drawing and calculating instructions.

This book places special emphasis on practical work. Many examples facilitate the student's understanding while the topics covered by the book are rounded off with important tables. This textbook and application manual provides apprentices with the compact knowledge they require to carry out tiling work.

**Bautechnik für Fliesen-, Platten- und Mosaikleger**  
**Construction Methods for Tilers, Pavers and Mosaic Workers**

2nd ed, 660 pp, 17,5 x 24,5 cm, numerous illustrations and tables  
 Europa-No. 46291  
 Language: German





## **Holztechnik Fachkunde** **Wood Engineering**

22nd ed, 627 pp, more than 1000 coloured illustrations, 17 x 24 cm, paper-bound, with CD-ROM  
Europa-No. 40117

Language: German  
Translation available in:  
Czech,  
Greek,  
Italian,  
Russian

The title "Holztechnik Fachkunde" contains the specialized knowledge for the trainee or apprentice, the qualified worker or master and the engineer. It is not only a source of information but it is also a reference work for questions of woodworking techniques and in many aspects a trusty and comprehensive guide.

The book explores the changing, more modern production techniques, materials and constructions, control and regulation technology as well as techniques to extract chippings and dust. The book also includes sections on making furniture, interior design work, house doors and windows, techniques for different surfaces and machine theory. A chapter is reserved for staircase construction.

A CD with all illustrations and tables is included.



## **Holztechnik Tabellenbuch** **Wood Engineering – Tables**

6th ed, 416 pp, numerous illustrations, 25,2 x 21,5 cm, paper-bound  
Europa-No. 41814

Language: German  
Translation available in:  
Czech,  
Portuguese

This book of tables for the timber industry rounds off the popular Europa-Lehrmittel series of text books for the timber professions providing as it does a comprehensive work of reference.

It contains tables, formulae and standards. It can be used alone, or in connection with other course materials, either for beginners, for in-service training, or for day-to-day use "on the job".



This edition with numerous illustrations and exercises contains the basic and advanced mathematical knowledge for vocational courses leading to the qualifications of timber mechanic, carpenter, window installation engineer, and glazier, as well as technical drawers who specialize in timber technology. The most important mathematical formulae, the rules for calculation and the key sentences are color highlighted, making the material somewhat easier to absorb.

## **Holztechnik Mathematik Wood Engineering Mathematics**

9th ed, 272 pp, more than 600 illustrations, 17 x 24 cm, paper-bound  
Europa-No. 4001X  
Language: German  
Translations available in:  
Greek



**New Edition**

A basic textbook for technical drawing for carpenters, furniture and interior designers, and for workers in the window and glass industries.

This revised edition has been extended by including a section on design and project planning. The sections on CNC technology and the basics of design have also been expanded and the chapter on free-hand drawing is completely new.

## **Holztechnik - Gestaltung, Konstruktion, Arbeitsplanung Wood Engineering - Design and Construction**

7th ed, 316 pp, more than 600 illustrations, DIN A4, paper-bound  
Europa-No. 41113  
Language: German  
Translation available in:  
Czech,  
Greek,  
Icelandic





## **Holztechnik Arbeitsbuch** **Wood Engineering – Workbook**

2nd ed, 348 pp, approx.  
750 illustrations, coloured,  
DIN A4, paper-bound  
Europa-No. 44511  
Language: German

This workbook does not just make it possible for the student to work through the basic training material: he can also immediately check, on the next following page, whether he has mastered the knowledge he has acquired. The book also includes three projects, in ascending order of difficulty, for the student to work through.

Planning, preparation and monitoring of working processes, reading and drawing up of sketches and designs, knowledge of wood and wood-based materials and the methods of processing them, the processing of synthetic materials, metals and flat glass, working with machines and the use of equipment.



## **Der Holztreppenbau** **Wooden Staircase Construction**

5th ed, 160 pp with numerous illustrations, DIN A4, hardcover  
Europa-No. 41016  
Language: German  
Translation available in:  
Czech,  
Greek,  
Russian

A completely reworked textbook presenting the necessary specifications and designations, different constructions, measurement techniques in staircase construction, elevations and manufacturing techniques.

The constructions can be easily followed. Modern manufacturing techniques are described, including CNC technology using a computer.



## **Haustüren - Haustüranlagen** **Front Doors – Front Door Systems**

1st ed. 182 pp,  
numerous illustrations,  
coloured, DIN A4,  
hardcover  
Europa No. 46018  
Translation available in:  
Russian

Manual on the special topic of the design and construction of wooden front doors for tradesmen and architects, apprentices and students, as well as DIY enthusiasts.

Aesthetic function of front doors and door systems (with numerous design recommendations, many of them in several colours) and explanations of the technical functions of a front door. Two-page construction drawings help the reader to understand the numerous possibilities of the different versions.

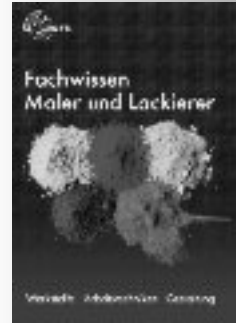


The book is a textbook and reference book for painters, paint sprayers and lacquerers during vocational training and in everyday practice. Also the fundamentals of vehicle paint sprayer and building and object coater apprenticeships are taken into consideration. Due to its distinct structure, the book is recommendable for exam preparation and self-study and is a very valuable reference book.

Technical leaflets that are very useful to practise the processing of customer orders constitute a particular feature of this book. They have been developed on the basis of codes of practice and provide information about the most important coating materials.

**Fachwissen Maler und Lackierer**  
**Painters and Lacquerers**

2nd ed, 400 pp, illustrated, coloured, DIN A4 hardcover, CD-ROM  
 Europa-No. 44368  
 Language: German



Designing with Colour, Form and Type is a textbook that provides both important specialised information related to the field of design as well as instruction sheets on solving tasks with and without the PC.

Main chapters: technical drawing, theory of typography, theory of ornamentation, theory of colour, practical application of colour.

The CD contains the book's image material as well as a demo version of Coral Draw. As required by specific assignments, drawings can be downloaded from the CD and adapted.

**Gestalten mit Farbe, Form & Schrift**  
**Designing with Colour, Form and Type**

2nd ed, 384 pp, coloured, 17 x 24 cm, approx. 1000 illustrations, paper-bound, with CD  
 Europa-No. 44228  
 Language: German





Chemietechnik

New Edition

## Chemietechnik Chemical Engineering

10th ed, 608 pp., more than 2000 coloured illustrations, numerous tables, 17 x 24 cm, paper-bound, CD-ROM Europa-No. 70415  
Language: German  
Translation available in: Greek, Norwegian, Slovenian

This is a course book for courses in technical colleges and engineering schools as well as for company training. The book deals with the layout of chemical plants and the function of the various parts of the plant. It offers an introduction into chemical processes, including measurement, control, regulation and process technology. It also covers the essentials of environmental technology and safety at work. Intended for those people who are employed in the developmental and production departments in the chemical industry, the pharmaceutical industry and the food processing industry, for trainees in those industries, and for everybody who simply want to learn more about these areas.



Tabellenbuch Chemietechnik

New Edition

## Tabellenbuch Chemietechnik Tables - Chemical Engineering

8th ed, 436 pp., numerous illustrations, 15,2 x 21,5 cm, paper-bound Europa-No. 70717  
Language: German

"Tabellenbuch Chemietechnik" is a useful reference book of tables and formulae for trainees, students, professional people and teachers in the areas of chemical production technology, especially for future and current chemical workers in industry, chemical technicians (with the emphasis on production and laboratory technology), industrial chemists, chemical workers, chemical engineers, chemical laboratory workers, pharmaceutical workers, utilities engineers, recycling engineers, and other professional groups whose work touches on chemical production technology.



Fachwissen Chemie 1

NEW!

## Fachwissen Chemie 1 - Kernqualifikation für Laborberufe Chemistry 1 - Fundamental Qualification for Laboratory Professionals

1st ed, 551 pp., 17 x 24 cm, numerous illustration, paper-bound, Europa-No. 69913

The basics of general and inorganic chemistry are explained on a step-by-step basis using atomic structures, bond types and stoichiometric computation; physical chemistry focusing on balance, speed and energy as well as organic chemistry with functional groups and nomenclature. Additional topics: mechanical and thermal separating procedures, instrumental analysis and chromatography as well as the safe handling of hazardous substances in accordance with the GHS. The comprehensive index also allows this book to be used as a reference work.



This combined textbook and exercise book makes the student acquainted not only with the fundamental mathematical principles, but also with the wide variety of job-related mathematical knowledge derived from the fields of chemistry, physics, statistics, reaction kinetics, analysis, laboratory techniques and IT. Examples and exercises are taken from typical situations of working in a laboratory. Numerous graphic diagrams illustrate the procedures and the equipment used. At the end of each chapter the student is invited to consolidate what he has learned by working on practical exercises.

In many chapters the student is introduced to the use of spreadsheet programs for the mathematical or graphic evaluation of data and data series.

This is a suitable textbook for schooling and operational training in connection with the laboratory professions – for those who work in chemistry laboratories, lacquering laboratories and biological laboratories. It can however also be used in technical colleges that put a particular emphasis on chemistry and technical subjects.

This combined textbook and book of exercises on the subject of technical mathematics is intended both for use in schools and for professional training. It is especially suitable for training in positions involving responsibility for production in the chemical industry.

As well as the mathematical fundamentals, the book above all gives the student knowledge of the specialised mathematics that is required in such professions, derived from the fields of chemistry, physics, chemical technology and measurement and control technology.

The calculations involved are shown in detail, in the light of illustrative examples. A wide-ranging collection of tasks is included for the student to practise on his own, to check the level he has reached or to prepare for examinations. He can also practise using the computer for the evaluation and graphic representation of process data, with examples typical of those that occur in the profession.

**Technische Mathematik und Datenauswertung für Laborberufe**

**Technical Mathematics and Evaluation of Data for Laboratory Professionals**

5th ed, 496 pp, numerous illustrations, 17 x 24 cm, paper-bound  
 Europa-No. 71713  
 Language: German



**New Edition**

**Technische Mathematik für Chemieberufe**

**Technical Mathematics for Professions in Chemistry**

4th ed, 350 pp, approx. 500 illustrations, 17 x 24 cm, paper-bound  
 Europa-No. 71314  
 Language: German



**New Edition**



## **Instrumentelle Analytik** **Instrumental Analysis – Theory and Practice**

1st ed. 512 pp, approx. 600 illustrations and tables, coloured, 17 x 24 cm, paper-bound  
Europa-No. 72116

Introductory instruction and exercise book for Instrumental Analysis on a modern, up-to-date basis. Main focus on: Principles of the Measuring and Separation Methods of Instrumental Analysis; Description of Equipment and Metrology; Instructions for Spectra Interpretation; Sampling and Quality Assurance. Contains 141 sample tasks and 294 exercises with complete solutions.

Particular emphasis is placed on visual appeal, which is why all of the important physical and physical-chemical laws and principles are explained in detail, step by step. This is supported by extensive illustrations.

Target groups: students at technical colleges and universities, further education.



## **Physikalische Chemie** **Physical Chemistry**

2nd ed, 380 pp, 17 x 24 cm, paper-bound  
Europa-No. 71519  
Language: German

A textbook which illustrates the basic areas of physical chemistry with many relevant graphics and diagrams but without any reference to complicated mathematics.

For trainees, students and practitioners in the chemistry-oriented professions and inter-disciplinary areas. The choice and form of representations in this book are suitable for a two-years course of technical schools for chemical technique (laboratory technique, production technique and biotechnology).

Contents: Elementary physical magnitudes and Stoichiometry, Gases, Chemical Equilibrium, Shift of State of Equilibrium, Energy and Molecular Motion, General and Chemical Thermodynamics, Reaction kinetics, Phase equilibria, Solutions, Electrochemistry.



## **Technische Physik** **Technical Physics**

5th ed, 640 pp, numerous coloured illustrations, 17 x 24 cm, paper-bound  
Europa-No. 5231X  
Language: German

A complete physics course in one volume based on the syllabuses for two-year technical college courses.

The volume contains the areas of mechanics of solid particles, fluid mechanics, thermal theory, oscillations and waves, optics and acoustics, electricity, and atomic and nuclear physics. More than 1,440 practical tests deepen the student's knowledge and link the material to the skills required for professions in the field of technical physics.



This new textbook and reference book is intended both for the professional training in schools and in companies. The book is especially designed for lessons in physics classes at vocational schools, technical colleges or technical high schools. It is a user-friendly book in a comprehensive and well-structured style with numerous illustrations.

From the contents: Mechanics of solid particles, fluids and gases, thermal theory, optics, electricity, magnetism, atomic and nuclear physics.

## Physik für Schule und Beruf Physics for Schools and Professions

3rd ed, 320 pp, approx. 1000 illustrations, coloured, 17 x 24 cm, paper-bound  
Europa-No. 71616  
Language: German



**New Edition**

Compact textbook and workbook for visualising difficult mathematical relationships. To promote application-oriented approaches to topics, the book contains a large number of examples that serve as the object of a variety of assignments.

Basic principles of algebra, basic principles of geometry, vector calculus, analysis, differential equations, integration, complex numbers, graphics-ready pocket calculators, etc.

## Mathematik für die Fachhochschulreife Mathematics for the Advanced Technical College

3rd ed, 256 pp, coloured, 17 x 24 cm,  
Europa-No. 85021  
Language: German





**New Edition**

## **Medien - verstehen, gestalten, produzieren** **Media - Understanding, Designing and Producing Media**

5th ed, 736 pp, more than 1600 coloured illustrations, 21 x 24 cm, paper-bound  
Europa-No. 35210  
Language: German  
Translations available in: Czech

This book provides a fundamental, practical and attractively presented overall view of all fields of the media for use in the subjects Design and Media Technology, Computer Technology and Multimedia. Suitable for training as Media Designer, for vocational colleges specialising in media technology, and for private study.

Among the contents: Media, media production, typography, audio, graphics, image, video, animation, multimedia, design, printing, presentation, media economy, media law. Numerous concrete case studies as practical examples, didactically designed learning units with exercises at the end of every chapter. Navigation bar and extensive glossary.



## **AV-Mediengestaltung Grundwissen** **Media - Audio-visual Designing**

4th ed, 236 pp, illustrated, 17 x 24 cm, paper-bound  
Europa-No. 37310  
Language: German

Course book for media design trainees. The book teaches the basics of areas relevant to film and television - graphical principles of imagery, sound design, camera work, dramaturgy, lighting, cutting and editing.

Projects and exercises at the end of each chapter help to consolidate the material, analyses sharpen the eye and the sensibility for the design of audio-visual productions.



## **Professionelle Bildbearbeitung** **Professional Image Editing**

2nd ed, 304 pp, coloured, 17 x 24 cm, paper-bound  
Europa-No. 3771X  
Language: German

A textbook for professional education and specialization. It contains in-depth information about image design and technical processing. The book covers the basics of iconography and image design, data handling and subject-specific image optimization, as well as data processing for different image reproduction systems. Using the subject-oriented explanations with numerous examples, readers will learn quickly to evaluate image designs and master the technical skills of professional realization and reproduction.



Freehand drawing with traditional drawing tools and computer applications. Drawing processes in images, text and video clips. Architecture, landscape, interior and product design. Subject-specific exercises. Image composition, perspectives, introduction of traditional media/drawing tools (black-white and colour techniques) and their applications, perspective construction exercises, introduction to virtual media/image editors, their computer tools and applications.

**Visuelle Darstellungslehre**  
**Professionell skizzieren - zeichnen - präsentieren**  
**Visual Representation**  
**Professional sketches, drawings, presentations**  
 2nd ed, 209 pp, DIN A4, hardcover, coloured, DVD incl.  
 Europa-No. 4550X  
 Language: German



Fundamentals of CAD in the area of 2D design, for practical application: from simple objects and sketches of production-ready, dimensioned components to realistic assembly drawings. Suited for all careers in the metalworking industries. The CD contains approx. 100 sample tasks, including solutions.

**AutoCAD Mechanical 2010**  
 3rd ed, 176 pp, coloured, DIN A4, numerous illustr., paper-bound, with CD  
 Europa-No. 78155  
 Language: German



**New Edition**



## **Haut und Haar – Friseurfachkunde Skin and Hair – Subject Knowledge for Hairdressers**

5th ed, 392 pp, numerous illustrations, coloured, DIN A4, hardcover  
Europa-No. 65810  
Language: German  
Translation available in:  
Czech,  
Polish

A study manual for trainee hairdressers. The subjects of hair cutting, dyeing and shaping are all covered as well as care and cleaning of hair. Matters of the scalp, of manicuring and of cosmetics are all dealt with in sufficient depth.

All subjects are supplemented by extensive practical guides, by modern photographs and illustrations. The key facts are summarized in tables. The exercises at the end of each chapter test the success of the learning process and further expand upon it.



## **Arbeitsheft für Friseure Band 1 Lernfelder 1 - 5 Workbook for Hair- dressers Teaching Fields 1 - 5**

122 pp, numerous illustrations, DIN A4, paper-bound  
Europa-No. 65721  
Language: German  
Translation available in:  
Polish

The workbooks for hairdressers complement the textbook. They contain a wide variety of exercises to review and extend the acquired knowledge. Two further volumes are available.

**Volume 2**  
**Teaching fields 6 – 9,**  
Europa-No. 65735

**Volume 3**  
**Teaching fields 10 – 13,**  
Europa-No. 65742

Volumes for teachers with solutions are available as well.



## **Frisuren, Farbe, Make-up – Zeichnen und Gestalten Hair Design, Colours, Make-up – Drawing and Design**

5th edition, 160 pp, numerous illustrations, DIN A4, paper-bound  
Europa-No. 62617  
Language: German  
Translations available in:  
Czech,  
Greek,  
Polish

This book provides in-depth knowledge concerning shapes, faces, colour and make-up, the planning and design of hair styles. It provides an intimate view of styling and cutting of hair. It also provides ideas for the planning and design of hair styles and make-up. Particular attention is paid to practical work in hairdressing salons and the encouragement of personal creativity.



This textbook conveys the technical standards of all facets of the gardening profession in an extremely appealing and practical manner. Thanks to the many drawings, photos and tables, even the most technically complicated interrelationships and work processes are presented in an easily understandable way which makes this book not only ideal for independent study and preparation for examinations, but also as a useful reference work.

## **Berufsziel Gärtner** **Career Goal** **Gardener**

1st ed., 600pp, numerous illustrations, coloured, 17 x 24 cm, paper-bound  
Europa No. 66051



A comprehensive text and workbook covering all areas of florist training. It is organized into four learning units: Part 1: Operative workflow management Part 2: Plants and eco-friendly plant treatment Part 3: Vegetable and non-vegetable materials and their use in floristic designs Part 4: Purchasing, marketing, business success

## **Faszination** **Floristik** **Fascination** **Floristics**

2nd ed, 459 pp, numerous illustrations, coloured, DIN A4, hardcover  
Europa-No. 66159  
Language: German  
In preparation



The text is illustrated with many photos and sketches. Chapters end with summarizing exercises. The book also offers a list of plant examples and a glossary.

This is a basic textbook for apprentices, a reference work for candidates to the degree of master craftsman and other cleaning contractors.

## **Fachwissen** **Gebäudereiniger** **Building Cleaning**

5th ed, 402 pp, coloured, numerous illustrations, DIN A4, hardcover  
Europa-No. 44414  
Language: German



**New Edition**



## **Fachwissen Bekleidung Clothing Technology**

9th ed, 304 pp with approx. 1200 coloured illustrations, DIN A4, hardcover  
Europa-No. 62013  
Language: German



## **Clothing Technology English Edition**

5th ed, 304 pp with approx. 1200 coloured illustrations, DIN A4, hardcover  
Europa-No. 62218  
Language: English  
Translations available in:

Arabic,  
Finnish,  
French,  
Greek,  
Hungarian,  
Norwegian

"Fachwissen Bekleidung" (Clothing Technology) has been thoroughly revised. It is designed for specialists in the clothing industry: sewers, finishers, cutters and men's and women's tailors. But it can also be used in master courses or engineer courses, design colleges, polytechnics and in the textile trade, either as course book or as a work of reference.

Thanks to the compact layout, a complete topic can be covered on one single page and the many colourful illustrations make even the most demanding information readily understandable. We have paid great attention to a clear presentation of the text and to lucid explanations.

Translation available in:  
English, Finnish, French, Greek, Hungarian, Norwegian



## **Bekleidung - Schnittkonstruktion für Damenmode, Grundlagen Band 1 Clothing Pattern Construction for Ladies' Fashion, Basics, Vol. I**

1st ed., 368 pp, numerous illustrations, coloured, DIN A4, hard-cover  
Europa No. 62369

Basics manual as an introduction to the pattern construction of ladies' fashion, basic patterns for skirts, trousers and tops, basic pattern modifications, pattern details such as pockets, collars, sleeves, sample model constructions (skirt, trousers, dress, blouse, waistcoat, jacket, coat).

The construction of the basic cuts of ladies' fashion is explained and demonstrated step by step. The learning contents are presented in such a way that they can also be grasped by beginners working on their own. The important information and suggestions it contains also mean that the book can be used as a reference work by advanced users.



The book conveys the decisive fundamentals of fashion design. It is suitable for vocational and technical schools and colleges and can also be used for self-study.

The development of figurines for women, men and children and the design of clothes via a figurine as well as the drawing of arms and hands, legs and feet, faces, hairstyles and headgears are demonstrated in detail. This fourth edition was fundamentally revised and expanded.

## Mode Zeichnen und Entwerfen

### Fashion - Drawing and Design

4th ed, 192 pp, numerous illustrations, DIN A4, hardcover  
 Europa-No. 62110  
 Language: German/English  
 Translation available in: Arabic, Greek, Hungarian, Norwegian, Russian



**New Edition**

The great number of women's and men's figurines in this book allows the preparation of designs that serve most various target groups and comply with diverse styles and pattern shapes.

The book shows in detail the three-dimensional structure of clothes, the application of light and shadow effects as well as the construction of technical drawings.

The development of tissue patterns and structures and the colouring of fashion drawings in the different drawing techniques can be retraced step by step. An overview of individual drawing styles, colours and colour types is given.

This edition was revised and updated and is now available as bilingual version in German/ English.

Professions: Women's and men's tailors, fashion tailors.

## Mode Darstellung, Farbe und Stil

### Fashion - Portrayal, Colour and Style

3rd ed, 240 pp, approx. 500 coloured illustrations, DIN A4, hardcover  
 Europa-No. 6301X  
 Language: German/English  
 Translation available in: Arabic, Finnish, Russian



**New Edition**

This is a training manual for computer-aided drawing with the graphics program Corel Draw, especially for use in the textile industry.

Corel Draw is a general drawing program which is also supremely suited for the completion of simple drawings, model sketches or fashion illustrations. This book shows how the various functions can be applied in the area of textiles and how fashion illustrations are created step-by-step.

## Mode zeichnen mit Corel Draw

### Fashion - Drawing with Corel Draw

2nd ed, 188 pp, numerous coloured illustrations, DIN A4, ring binding  
 Europa-No. 62307  
 Language: German  
 Translation available in: Arabic





## Topics in Business

319 pp, numerous illustrations, coloured, 17 x 24 cm, paper-bound  
Europa-No. 79919  
Language: English

This textbook deals with important topics in the field of international commerce.

Among the contents:

Telephoning, business letters, orders, payment and reminders, complaints, applying for a job, retailing and wholesaling, money and banking, buying and selling, logistics etc.



## Technical English Chemietechnik, Pharmatechnik, Biotechnik Chemical, Pharmaceutical and Biotechnical Engineering

319 pp, coloured, illustrated, 17 x 24 cm, paper-bound  
Europa-No. 71810  
Language:  
German-English

Reference work/pictorial dictionary for training and continuing education as well as everyday professional use. Technical terms from the fields of chemistry/chemical engineering, process engineering, pharmaceutical engineering and biotechnology.

Each two-page spread contains a distinct theme, including a pictorial depiction with all important technical terms. Sample texts demonstrate the exact use of the terms.



## Technical English Basics

4th ed, 179 pp, numerous illustrations, coloured, 17 x 24 cm, paper-bound  
Europa-No. 71918  
Language: English

"Technical English – Basics" is intended for all trainees in industrial technical professions.

Building on basic knowledge of the English language, this textbook and workbook teaches technical English in fundamental and job-specific subjects. Particular attention is paid to the important areas of metal, automobile, electrical, computer, construction and environmental engineering.

**New Edition**

The book contains texts and dialogues with professional relevance, with basic and vocationally specific vocabulary. Numerous exercises reinforce the learning process.



This standard textbook for professional training in the fields of health and patient care explains the structure (anatomy) and functions (physiology, biochemistry) of the human body. The book's excellent didactic structure offers several manageable learning units. Chapters end with review questions. With its comprehensive index, the book is also a valuable and indispensable reference work.

## **Biologie, Anatomie, Physiologie** **Biology, Anatomy, Physiology**

11th ed, 464 pp,  
numerous coloured illustrations, hardcover,  
CD-ROM  
Europa-No. 67975  
Language: German



A didactic representation of the human bones, joints and ligaments on 303 index cards.

## **Anatomical Learning System** **The Human Skeleton**

303 index cards, DIN A7  
Europa-No. 68866  
Language: English



A didactic representation of the human muscles on 303 index cards.

## **Anatomical Learning System** **The Human Muscles**

303 index cards, DIN A7  
Europa-No. 68842  
Language: English

This workbook includes well-structured and concise anatomic drawings as well as exercises in the form of tables that are matched to the textbook. It considers all human organ systems as well as fundamentals of cytology and histology. All exercises are based on the understanding of the indivisibility of the configuration and function of anatomic structures. It supports the acquisition and deepening of anatomic and physiologic knowledge and helps to repeat the syllabus.

## **Arbeitsbuch Anatomie, Physiologie** **Workbook Anatomy, Physiology**

1st ed, 128 pp, illustrated,  
two coloured, DIN A4  
paper-bound,  
Europa-No. 68453  
Language: German





**New Edition**

## **Medizinisches Labor** **Medical Laboratory Knowledge for Doctor's Assistants**

5th ed, 288 pp, numerous illustrations, coloured, DIN A4, paper-bound  
Europa-No. 66612  
Language: German

Keeping close to the practical level, this combined textbook and workbook gives the aspiring doctor's assistant the specialised technical knowledge needed for working in a laboratory.

It introduces the required fundamentals of chemistry, physics and physiology. Medical and technical working equipment is described, as is the proper manner of proceeding when working with such equipment.

The book describes in detail the steps involved, from the acquisition of a sample right through to the attainment of a test result. In a way that is easy to understand, the student is introduced to laboratory test procedures like those involved in urinary and haematological testing. Instructions for carrying out the various steps, accompanied by copious illustrations, make it easy for the student to understand and enter into these laboratory tests.



## **Medizinische Fachangestellte Behandlungsassistenten** **Subject Knowledge for Doctor's Assistants**

5th ed, 456 pp, numerous coloured illustrations, 17 x 24 cm, paper-bound, CD included  
Europa-No. 69611  
Language: German

This textbook makes available to the student, in a style easy to follow, the specialised knowledge that the doctor's assistant needs for her work in medical practice.

The textbook contains basic advice on hygiene and looking after patients, and incorporates the basic principles of cytology, histology, anatomy, pathology, pharmacology, diagnosis and therapy.

The information on anatomy and physiology and on the pathology of organs and organ systems, along with the principles of diagnosis and treatment for diseases of the organs, gives the student a good grounding in medical knowledge.

With its extensive index of special terms, the book is also a valuable reference work.

A CD with all illustrations of the book is included.

## **Arbeitsbuch** **Workbook**

3rd ed, 192 pp, numerous coloured illustrations, DIN A4, paper-bound  
Europa-No. 69816  
Language: German

The Workbook is a useful supplement to the textbook.



A fundamental textbook in the vocational training of dental assistants. The main focus is placed on assistance in the various fields of treatment, communication and hygiene, which becomes a more and more important issue in modern dental practices. Functional diagnostics and therapy as well as orthodontics are dealt with in addition.

Numerous practical situations familiarize the reader with the problems and communication requirements of everyday life in dental practices.

**Zahnmedizinische  
Fachangestellte/r  
Knowledge for  
Dental assistants**

1st ed, 460 pp,  
illustrated, coloured,  
DIN A4, hardcover,  
Europa-No. 68415  
Language: German



In 17 chapters, this textbook offers comprehensive professional knowledge about gerontology and geriatric psychiatry for the three-year geriatric care training programme, as well as the relevant basics of psychology, sociology and psychiatry. The basics are covered in connection with the respective training subjects. Chapters end with exercises and suggestions to review the successful completion of the learning unit.

**Gerontologie und  
Gerontopsychiatrie  
Gerontology and  
Geriatric Psychiatry**

4th ed, 381 pp, numerous  
coloured illustrations,  
17 x 24 cm, paper-bound  
Europa-No. 65012  
Language: German





## **Kreativ kochen lernen**

### **Creative Cooking**

6th ed, 380 pp, numerous illustrations and photos, coloured, DIN A4, folder  
Europa-No. 66817  
Language: German

This folder was created particularly for students in their first year of instruction in the subject of nutrition and home economics. It is equally suitable for anyone who enjoys cooking and at the same time would like to deepen their knowledge of fermentation techniques, the use of foods, or table culture. Numerous recipes are just waiting for you to try them out.



## **Kreativ Ernährung entdecken**

### **Discover the Creative Aspects of Nutrition**

2nd ed, 496 pp, numerous illustrations, coloured, 19 x 26,5 cm, paper-bound  
Europa-No. 66965  
Language: German

A modern textbook about nutrition introducing pupil-oriented teaching methods and working techniques suitable for practical application in line with the syllabus.

**New Edition**



## **Ernährungswissenschaft**

### **Nutritional Science**

5th ed., 740 pp, numerous illustrations, 17,5 x 24,5 cm, paper-bound  
Europa-No. 60517  
Language: German

An expert-level nutritional science textbook. With a solid foundation in natural sciences, the book explains all nutritional ingredients of food, their chemical properties, reactivity and functions in the human body. Other subjects covered in the book include food ingestion and utilization, practical nutrition and illnesses related to a superabundance of food.

**New Edition**



This book provides the basic and more advanced knowledge for the vocational training of chefs. The presentation of the subject with step-by-step instructions and numerous illustrations help to understand also more complex facts without difficulty. More than 600 basic recipes combine the basics of the traditional cuisine with the modern techniques of preparation. The systematic linking of theory and practice makes the material easier to understand and retain.

**Der junge Koch/  
Die junge Köchin  
The Young Chef**

34th ed, 679 pp,  
illustrated, 18 x 25,5 cm,  
hardcover, with CD-ROM  
Pfanneberg-No. 04038  
Language: German  
Translations available in:  
Greek,  
Slovenian,  
Spanish



The classic worksheet for theoretical and practical instruction, adapted from the aforementioned title. For repetition and retention of the subject matter and preparation for examinations. The presentation of the materials makes it easier for the student to recognise relationships and internalise key points.

**Arbeitsblätter  
Koch/Köchin Teil 1  
Work Sheets for the  
Young Chef Part 1**

12th ed, 63 pp, coloured,  
illustrated, DIN A4,  
paper-bound  
Pfanneberg-No. 04267  
Language: German



Traditional work sheets for theoretical and practical instruction aligned to the current edition of "Der junge Koch/Die junge Köchin" (The Young Chef). The material is dealt with in such a way that it is easier for the trainee to recognize interrelationships and filter out the essential. The work sheets are ideally suited for revision and consolidation and constitute the ideal preparation for an examination.

**Arbeitsblätter  
Koch/Köchin Teil 2  
Work Sheets for the  
Young Chef Part 2**

11th ed, 135 pp, coloured,  
DIN A4, paper-bound  
Pfanneberg-No. 04097  
Language: German



Perforated and punched for easy removal and filing. The topics can be processed in any desired sequence, because each one is contained on a separate sheet.

New Edition



## **Hotel & Gast** **Hotel & Guest**

12th ed, 684 pp, illustrated,  
17,5 x 24,5 cm, hardcover  
Pfanneberg-No. 04062  
Language: German

"Hotel und Gast" and "Restaurant und Gast" contain the complete subject matter for basic and more advanced syllabuses for trainees in the field of hotel or restaurant.

The first part of both volumes contains the basic contents of all gastronomical professions, including catering. Furthermore, each volume include the more specific knowledge for both professions.



## **Restaurant & Gast** **Restaurant & Guest**

11th ed, 670 pp, illustrated,  
17,5 x 24,5 cm, hardcover  
Pfanneberg-No. 04054  
Language: German  
Translation available in:  
Greek,  
Slovenian,  
Czech

The methodology and didactic principles foster an interdisciplinary and practically-based teaching approach and encourage the learner to work independently. The four-colour layout promotes systematic learning and enables the student to retain the material easier.

**New Edition**



## **In Sachen** **Ernährung** **About Nutrition**

5th ed., 487 pp, numerous  
4-coloured illustrations,  
17,5 x 24,5 cm  
Europa-No. 60312  
Language: German

This practical, easily comprehensible book presents the basics and latest research in nutritional science in an appealing layout. Chapters contain info boxes, clear illustrations and many exercises. The book can be used as a class textbook, for independent studies and as a valuable reference work.



## **Kostformen** **und Rezepte** **Forms of meals** **and recipes**

2nd ed, 407 pp, illustrated,  
DIN A4, hardcover  
Pfanneberg-No. 05328  
Language: German

The comprehensive text book addresses apprentices and professionals of dieting and nutrition: dieticians, cooks specialised in dieting, diet and nutrition advisors, health care and nursing personnel. Section 1: Illness symptoms are presented with daily diet plans and diet information specific to the illnesses, food therapy.

Section 2: Basic forms of meals with information about the principle and application of a daily diet plan, instructions concerning daily diet plans.

**New Edition**



These combined textbooks and workbooks do not assume any knowledge of languages on the part of the students. Right from the start, they introduce them to the subject-related vocabulary and linguistic structures that will enable them to make themselves understood when talking to international visitors and colleagues.

The topic-based lessons include activities involving communication (dialogues, interviews, role-plays), as well as a wide and varied range of reading exercises and writing tasks.

To make it easier to learn and go over the vocabulary and the specialised expressions, separate word lists are included. Further information on the topics treated is also contained in an appendix.

**Hotel International – Good Morning !**

2nd ed, 124 pp, numerous illustrations, DIN A4, paper-bound  
Pfanneberg-No. 04534  
Language: English  
Translation available in: Greek



**Hotel International – Bonjour !**

170 pp, numerous illustrations, DIN A4, paper-bound  
Pfanneberg-No. 04569  
Language: French  
Translation available in: Greek



This publication contains model letters in German, English, French and Spanish. These cover the commonest situations of hotel letter-writing, such as business letters, advertising, letters to guests (including offers of accommodation and reservation), letters to supplier companies (enquiries, orders), the planning of special events, exchange of letters with staff (job applications).

Using text blocks, the individual can design a letter to suit his own taste. For quick reference, a detailed table of contents is included, as well as a thematic layout of the specialised vocabulary required.

**Korrespondenz im Hotel**

**Hotel Correspondence**

143 pp, 17,5 x 24,8 cm, paper-bound  
Pfanneberg-No. 04968  
Language: German, English, French, Spanish  
Translation available in: Hungarian





## **Die kalte Küche** **Cold Dishes**

10th ed, 408 pp, more than 1800 photos, 22 x 28 cm, hardcover, with CD-ROM

Pfanneberg-No. 04879

Language: German

Translation available in:

Polish, Lithuanian

This is a modern, basic reference book for cold dishes with a striking layout and numerous pictures. The recipes are presented in a didactic way. The book is mainly directed to specialists in the gastronomy field, but also the amateur cook will take pleasure in preparing the dishes. The accompanying CD contains all recipes.



## **Shake it!**

439 pp, coloured, numerous illustrations, DIN A4, hardcover

Pfanneberg-No. 05042

Language: German

Translation available in:

Polish

Versatile, well-organised textbook with lots of information and practical examples. Attractive colouring and richly diverse approach to subject, yet fully rigorous enough to be of interest to experts.

There are 450 recipes for alcoholic drinks alone, as well as an additional 100 alcohol-free ones. The text covers specialty drinks like flaming cocktails, Irish coffee and "Feuerzangenbowle" punch, as well as seasonal drinks and cocktails. Yet theory is also addressed in depth. Suited for trainees in the restaurant and hotel fields, for candidates for the degree of master, as well as for anyone who enjoys creating a little something special for guests.



This study manual for trainee bakers contains a broad depiction of how loaves and confectionery are produced, from baking with wheat flour or rye flour to the making of cakes and confectionery. All the necessary information on recipes and ingredients is included as well as a theoretical foundation in nutrition.

The material is structured in a clear and didactic manner and portrayed in an easily understood fashion, bolstered by an attractive layout.

**Fachkunde in Lernfeldern Bäcker/Bäckerin Subject Knowledge for Bakers**

2nd ed, 602 pp, numerous illustrations, coloured Pfanneberg-No. 05425  
Language: German  
Translation available in: Croatian



The new English language edition of the former Hering's Dictionary of Classical and Modern Cookery has been completely revised by Susanne Metz. In addition to the contents of the German edition "Herings Lexikon der Küche", the latest trends have been included and emphasis placed on international cuisine. Within each chapter, the catchwords are no longer sorted in alphabetical order only, they are subdivided into blocks of topics, each of which is then arranged alphabetically, thus making reference easier. Mediterranean, Asian and South American cuisine are included for the first time, along with a detailed wine and beer chapter and a chapter on bread baking.

**Hering's Compendium of Food and Beverages**

14th ed, approx. 950 pp, 12,8 x 21 cm, hard-cover Pfanneberg-No. 03325  
Language: English



**NEW!**



### **Dictionary of Gastronomy**

2nd ed, 208 pp, 18,5 x 12,5 cm, paper-bound  
Pfanneberg-No. 05433  
Language: English

The booklet is of inestimable help for anybody in the catering business who has to make out menus. A handy and reliable aid for creating and translating multilingual menus in five languages: German, French, English, Italian and Spanish.

Furthermore, it offers a choice of tasty dishes. With tourism becoming increasingly international, this booklet can also help foreign guests. Finally, it might also be of use to teachers in catering schools.



### **Dictionnaire gastronomique**

5th ed, 199 pp,  
18,5 x 12,5 cm,  
paper-bound  
Pfanneberg-No. 04925  
Language: French

This title is also available in a German version.



### **Französische Küchenfachaus- drücke im Überblick Technical Terms of French Cuisine at a Glance**

3rd ed, 152 pp, 17,8 x 12,5 cm, paper-bound  
Pfanneberg-No. 04216  
Language: German

With the help of word lists, tables, diagrams and illustrations, a systematic and easily manageable overview is given of all the technical terms that will be required by the trainee chef. It will be a useful reference work for restaurants, not least because of the meticulously accurate spelling.



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The publishing company Verlag Europa-Lehrmittel was founded in 1948. Achieving its initial success in the field of metal technology, the publisher quickly became one of the leading suppliers of teaching and learning materials in vocational training and further education in Germany.

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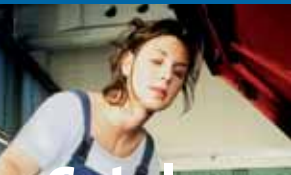
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