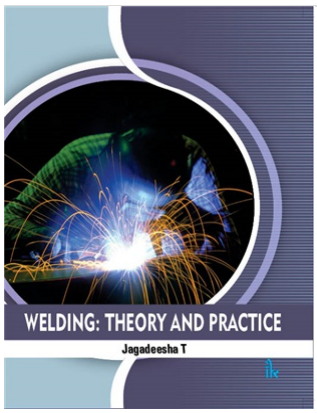
Book Information Sheet



Welding: Theory and Practice

Jagadeesha T

2021	18 x 24	984 pp	Paperback	ISBN: 9788194867616	Price: 1,295.00

About the Book

Welding plays an important role in modern production methods, and has made possible the construction of plants, equipment and structures unattainable by other known methods. It is almost impossible to make a product like automobile, aircraft, etc., without cast component. This book will serve as a bridge between the study of the processes and their applications in production industries.

Theory and practice are blended and explained so that the reader gets holistic approach to welding. First, basic processes are discussed, followed by the special processes and design, testing, weldability of systems are discussed at the end. The approach to the various aspects of welding design, has been kept as simple as practicable and wherever possible the fundamental features have been stressed. Every effort has been made to comply with the existing and accepted standards and in this respect the nomenclature adopted is consistent with standard specifications.

The book also includes industry data, foundry practices, and real-time industrial applications. Fundamental theory is presented with up-to-date technical information using simple line sketches.

This book is meant for the students of B.E, B.Tech. M.Tech and other post-graduate courses. This book will also serve as a useful reference for academicians material researchers, mechanical engineers, professionals in manufacturing and related industries. Several GATE and IES exam questions are solved to make it suitable for the readers who take up competitive exams.

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About the Author

Jagadeesha T :- is Assistant Professor in the Department of Mechanical Engineering at National Institute of Technology (NIT) Calicut (Kerala). He has 30 years of experience in Industry, teaching, academic research, consultation and has completed many projects with reputed organizations.

He has worked with Tata Engineering and Locomotive Company (India), TVS Suzuki (India), IBM Private Limited (Singapore), Applied Materials (USA and Singapore), APP Systems and Services (Singapore), ASM Technologies (Singapore) and ST Microelectronics (Singapore). He is member of several professional bodies in India and abroad. He is certified professional engineer (Australia). He has bagged more than 30 quality suggestion awards at TELCO and best employee award at ST Microelectronics, Singapore. He has guided several undergraduate and postgraduate projects. He has more than 60 publications in international journals and conferences.

His other books are *Unconventional Machining Processes, Machine design, Hydraulics and Pneumatics,* and *Fluid Power Control*.