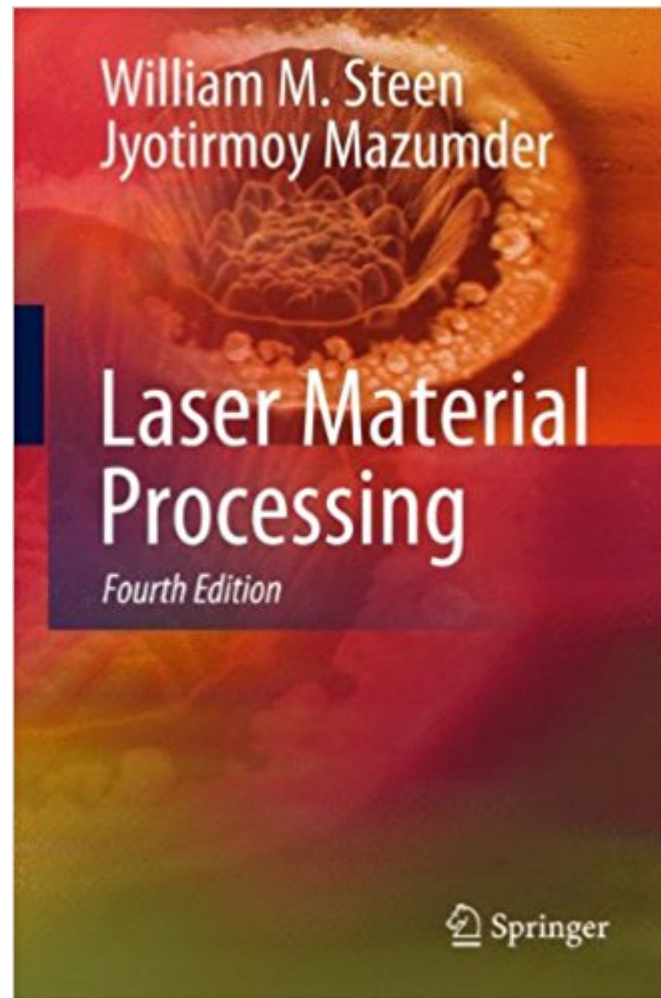


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Laser Material Processing



Synopsis

This text moves from the basics of laser physics to detailed treatments of all major materials processing techniques for which lasers are now essential. New chapters cover laser physics, drilling, micro- and nanomanufacturing and biomedical laser processing.

Book Information

Paperback: 558 pages

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Customer Reviews

You can't think of a process in the laser business that isn't described in this book. Especially if you are an not a pro in laserstuff but still interested in the basics of laserprocessing, like welding, hardening, cutting etc. Every chapter ends with a funny cartoon on something to do with the subject of that chapter. This comes in handy for presentations or other intermezzos. But this cannot be called a shallow book, some real tough formulas can be found here, they are explained so well though, you can really understand them after only reading them twice or so. Actually if you want to publish stuff in this field you might consider using this book as a reference. It is that good. Ronald Popma (PhD-student University of Twente the Netherlands)

This is the best material processing book for lasers that I know of. A good starter and reference book. The only other good source of reading that I know of are the LIA publications. Most importantly it describes in a surprisingly clear way the properties of a beam as they relate to processing, and good basic equations for heat transfer.

This book is amazingly good for those who are new in this field. It starts from the scratch and then makes your concepts. I think everybody should have one copy.

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