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Franssila's book does not throw knowledge at the reader quite so copiously, but it does so in a more orderly and pleasant way. In that sense, Franssila's Introduction to Microfabrication is much better suited to beginners in microtechnology. The 2nd edition of the book brings some important revisions, for instance regarding laser processing.

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Microfabrication is the process of fabricating miniature structures of micrometre scales and smaller. Historically, the earliest microfabrication processes were used for integrated circuit fabrication, also known as " semiconductor manufacturing " or "semiconductor device fabrication".

Microfabrication - Wikipedia

Introduction to Microfabrication Second Edition Sami Franssila ... A John Wiley and Sons, Ltd., Publication . Contents Preface to the First Edition Preface to the Second Edition Acknowledgements IX xiii XV 1 Introduction 1 Substrates, Thin Films, Processes, Dimensions, Devices, MOS Transistor, Cleanliness and Yield, Industries, Exercises

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The first volume offers a rigorous theoretical treatment of micro- and nanosciences, and includes sections on solid-state physics, quantum mechanics, crystallography, and fluidics. The second volume presents a very large set of manufacturing techniques for micro- and nanofabrication and covers different forms of lithography, material removal processes, and additive technologies.

