



A Control System of Nanofiber Electrospinning for Laboratory Scale

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Design and Implementation | The research and development of nanofibers has increased in recent years because it's has potential applications in the medical field, engineering, defense fields and so on. One technique to make nanofibers is electrospinning system. Electrospinning technology is chosen because it has several advantages such as ease of use, adaptability, and the ability to fabricate fibers with diameters on the nanometer size scale. For this reason this book was written to discuss how to build a small electrospinning system for nanofiber in laboratory scale or prototipe. For industrial uses, need to more development specially in high DC voltage generator and how to reduce electromagnetic field interference due to high DC voltage generator. This book focus on how to build electronics board and Graphical User Interface (GUI) program for nanofiber electrospinning system not discuss about how to create nanofiber and it's application. In the end of this book will be shown the experiment result of nanofibers with SEM analysis. In this book also include full schematics of all electronics board that can be seen in appendix in the end of this book. | Format: Paperback | Language/Sprache: english | 108 pp.



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