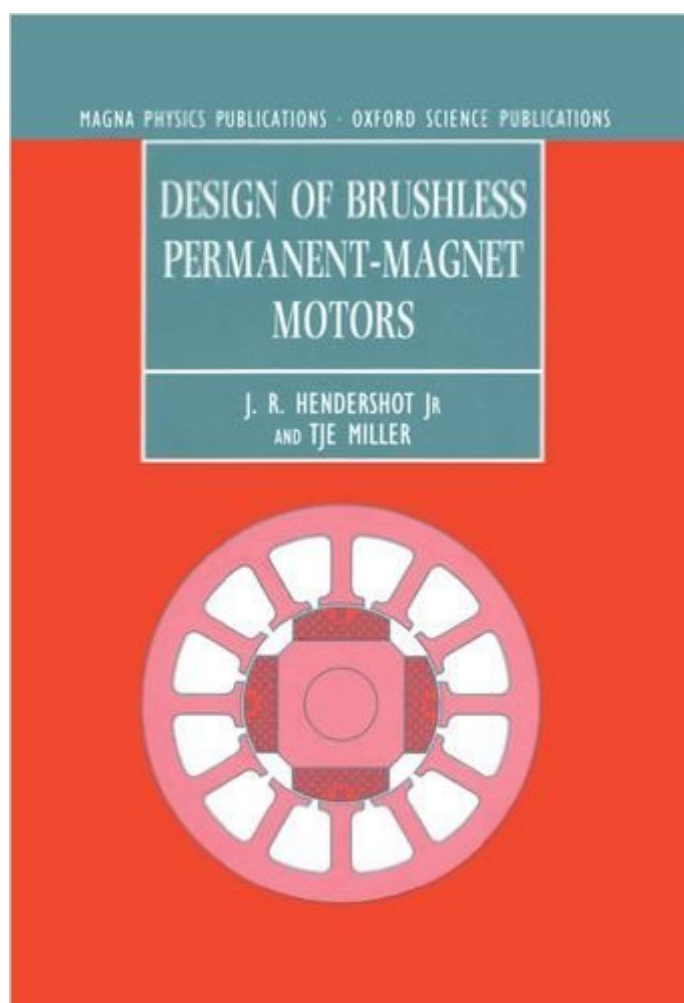


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# Design Of Brushless Permanent-Magnet Motors (Monographs In Electrical And Electronic Engineering)



## Synopsis

Brushless permanent-magnet motors provide simple, low maintenance, and easily controlled mechanical power. Written by two leading experts on the subject, this book offers the most comprehensive guide to the design and performance of brushless permanent-magnetic motors ever written. Topics range from electrical and magnetic design to materials and control. Throughout, the authors stress both practical and theoretical aspects of the subject, and relate the material to modern software-based techniques for design and analysis. As new magnetic materials and digital power control techniques continue to widen the scope of the applicability of such motors, the need for an authoritative overview of the subject becomes ever more urgent. *Design of Brushless Permanent-Magnet Motors* fits the bill and will be read by students and researchers in electric and electronic engineering.

## Book Information

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## Customer Reviews

This is a very practical text which, with minimum use of mathematics provides quantitative guidance based on analysis. \* Aslib Book Guide, Vol. 60, No. 9, September 1995 \*

James R Hendershot Jr. is the president of MOTORSOFT which owns Magna Physics Publishing. He has 30 years experience in practical hand-on permanent magnet motor design and

development. He has designed hundreds of brushless motors for computer disc drives, servo systems and high speed machine tools spindles. TJE Miller is Lucas Professor of Power Electronics and the director of the SPEED Consortium at the University of Glasgow U.K. He has 20 years experience in the U.K. and General Electric Research in Schenectady, New York plus teaching/research at the University of Glasgow.

I had a issue understanding armature reaction which is fundamental of any motor operating principle. This book explains armature reaction and theory behind the scene, I have now clear understanding and makes my motor design more simpler than never before. I recommend this book to everyone involves in BLDC designs.

The best book on motor BLCD motor design

This book includes a great amount of detail for designers. Covers winding, materials, magnetics, thermal considerations, etc. Has plenty of equations that are required for design. Both authors are well known and fellows of the IEEE. The book lacks details of motor construction, which I have not found anywhere yet. Also wish it came with a software tutorial or something. But the best book on motors I have found yet, and I've looked (and bought) a number of them.

I have read and thoroughly enjoyed this book. It helped us a lot in designing our smooth micro motors. Technically first class and well written, recommended to anybody who needs a good understanding of motor design issues.

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