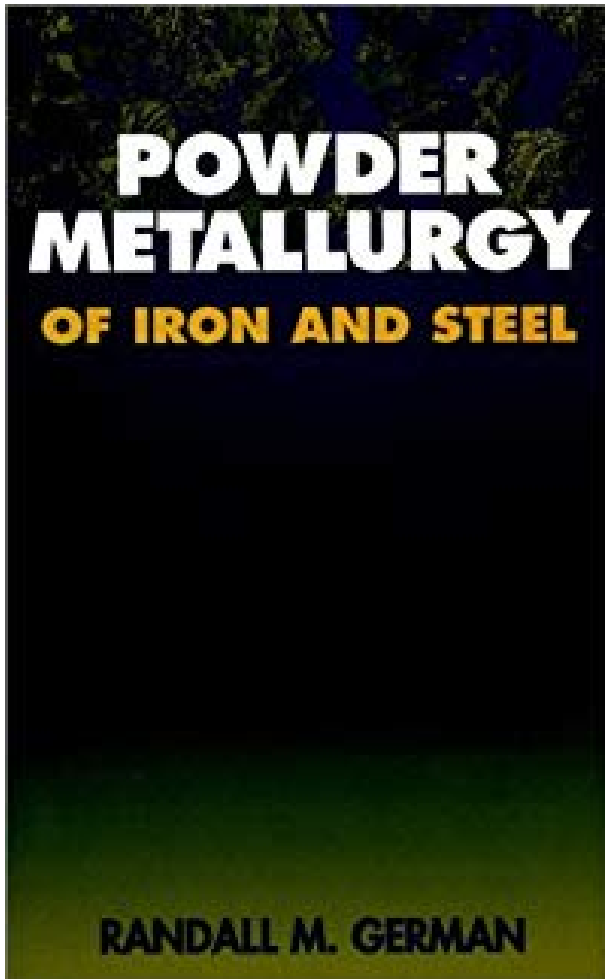


Powder Metallurgy Of Iron And Steel



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A comprehensive guide to current practices Powder metallurgy processes increasingly dominate the production of iron and steel components for a variety of machines, appliances, automobiles, and tools. These processes yield high-quality precision components, recycle scrap metals into useful powders, and consume energy than traditional manufacturing methods. Despite the tremendous growth in this area, however, until now there has been no guide on practical issues in the field. Powder Metallurgy of Iron and Steel fills the need for a fundamental, nonmathematical treatment of this technology. Focusing on the most useful applications and the advantages of different production techniques, this systematic, self-contained volume provides serious help in tackling production problems on the factory floor.

It covers the gamut of practical topics, from injection molding and compaction processes to sintering, full-density processes, heat treatments, finishing operations, and the mechanical properties of many products, including die-compacted steels.

Written by a leading authority and designer of educational programs for the industry, Powder Metallurgy of

Iron and Steel: Emphasizes current practices and real engineering materials in everyday manufacturing processes Keeps the mathematics simple, boxing the calculations outside the main body of text Includes research articles and trade information from a variety of sources Features numerous pictures and flow diagrams Includes an appendix with an extensive list of definitions This important tutorial for an expanding work force is accessible to scientists and engineers alike, as well as technicians, production supervisors, designers, consultants, and marketing personnel. It is also an excellent textbook for undergraduate and industrial courses.