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Sintering is a method for manufacturing components from ceramic or metal powders by heating the powder until the particles adhere to form the component required. The resulting products are characterised by an enhanced density and strength, and are used in a wide range of industries. *Sintering of advanced materials: fundamentals and processes* reviews important developments in this technology and its applications

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With its distinguished editor and international team of contributors, *Sintering of advanced materials: fundamentals and processes* reviews the latest advances in sintering and is a standard reference for researchers and engineers involved in the processing of ceramics, powder metallurgy, net-shape manufacturing and those using advanced materials in such sectors as electronics, automotive and aerospace engineering.

- Explores the thermodynamics of sintering including sinter bonding and densification
- Chapters review a variety of sintering methods including atmosphere, vacuum, liquid phase and microwave sintering
- Discusses sintering of a variety of materials featuring refractory metals, super hard materials and functionally graded materials

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