



Spray Simulation: Modeling and Numerical Simulation of Sprayforming Metals (Paperback)

By Udo Fritsching

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 2007.
Paperback. Book Condition: New. 244 x 173 mm. Language: English Brand New Book ***** Print on Demand *****.Spray forming combines the metallurgical processes of metal casting and powder metallurgy to fabricate metal products with enhanced properties. This book provides an introduction to the various modelling and simulation techniques employed in spray forming, and shows how they are applied in process analysis and development. The author begins by deriving and describing the main models. He then presents their application in the simulation of the key features of spray forming. Wherever possible he discusses theoretical results with reference to experimental data. Building on the features of metal spray forming, he also derives common characteristic modelling features that may be useful in the simulation of related spray processes. The book is aimed at researchers and engineers working in process technology, chemical engineering and materials science.



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