



Finite Element Method in Machining Processes (Springer Briefs in Applied Sciences and Technology/Springer Briefs in Manufacturing and Surface Engineering)

By Angelos P. Markopoulos

Springer, 2012. Taschenbuch. Book Condition: Neu. Neu
Neuware; teils original eingeschweisst; Rechnung mit MwSt.;
new item, still sealed; - Finite Element Method in Machining
Processes provides a concise study on the way the Finite
Element Method (FEM) is used in the case of manufacturing
processes, primarily in machining. The basics of this kind of
modeling are detailed to create a reference that will provide
guidelines for those who start to study this method now, but
also for scientists already involved in FEM and want to expand
their research. A discussion on FEM, formulations, and
techniques currently in use is followed up by machining case
studies. Orthogonal cutting, oblique cutting, 3D simulations for
turning and milling, grinding, and state-of-the-art topics such
as high speed machining and micromachining are explained
with relevant examples. This is all supported by a literature
review and a reference list for further study. As FEM is a key
method for researchers in the manufacturing and especially in
the machining sector, Finite Element Method in Machining
Processes is a key reference for students studying
manufacturing processes but also for industry professionals.
100 pp. Englisch.

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Reviews

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