

Cambridge University Press
978-1-107-00148-0 - Manufacturing Automation: Metal Cutting Mechanics, Machine Tool Vibrations, and
CNC Design: Second Edition
Yusuf Altintas
Copyright Information
[More information](#)

MANUFACTURING AUTOMATION

METAL CUTTING MECHANICS,
MACHINE TOOL VIBRATIONS,
AND CNC DESIGN

Second Edition

YUSUF ALTINTAS

University of British Columbia



Cambridge University Press
978-1-107-00148-0 - Manufacturing Automation: Metal Cutting Mechanics, Machine Tool Vibrations, and
CNC Design: Second Edition
Yusuf Altintas
Copyright Information
[More information](#)

CAMBRIDGE UNIVERSITY PRESS
Cambridge, New York, Melbourne, Madrid, Cape Town,
Singapore, São Paulo, Delhi, Tokyo, Mexico City

Cambridge University Press
32 Avenue of the Americas, New York, NY 10013-2473, USA

www.cambridge.org
Information on this title: www.cambridge.org/9780521172479

© Yusuf Altintas 2012

This publication is in copyright. Subject to statutory exception
and to the provisions of relevant collective licensing agreements,
no reproduction of any part may take place without the written
permission of Cambridge University Press.

First published 2012

Printed in the United States of America

A catalog record for this publication is available from the British Library.

Library of Congress Cataloging in Publication data

Altintas, Yusuf, 1954–
Manufacturing automation : metal cutting mechanics, machine tool vibrations, and CNC design /
Yusuf Altintas. – 2nd ed.
p. cm.
Includes bibliographical references and index.
ISBN 978-1-107-00148-0 (hardback) – ISBN 978-0-521-17247-9 (paperback)
1. Machining – Automation. 2. Machine-tools – Vibration. 3. Machine-tools – Numerical
control. I. Title.
TJ1185.5.A48 2011
670–dc23 2011041033

ISBN 978-1-107-00148-0 Hardback
ISBN 978-0-521-17247-9 Paperback

Cambridge University Press has no responsibility for the persistence or accuracy of URLs for
external or third-party Internet Web sites referred to in this publication and does not guarantee
that any content on such Web sites is, or will remain, accurate or appropriate.