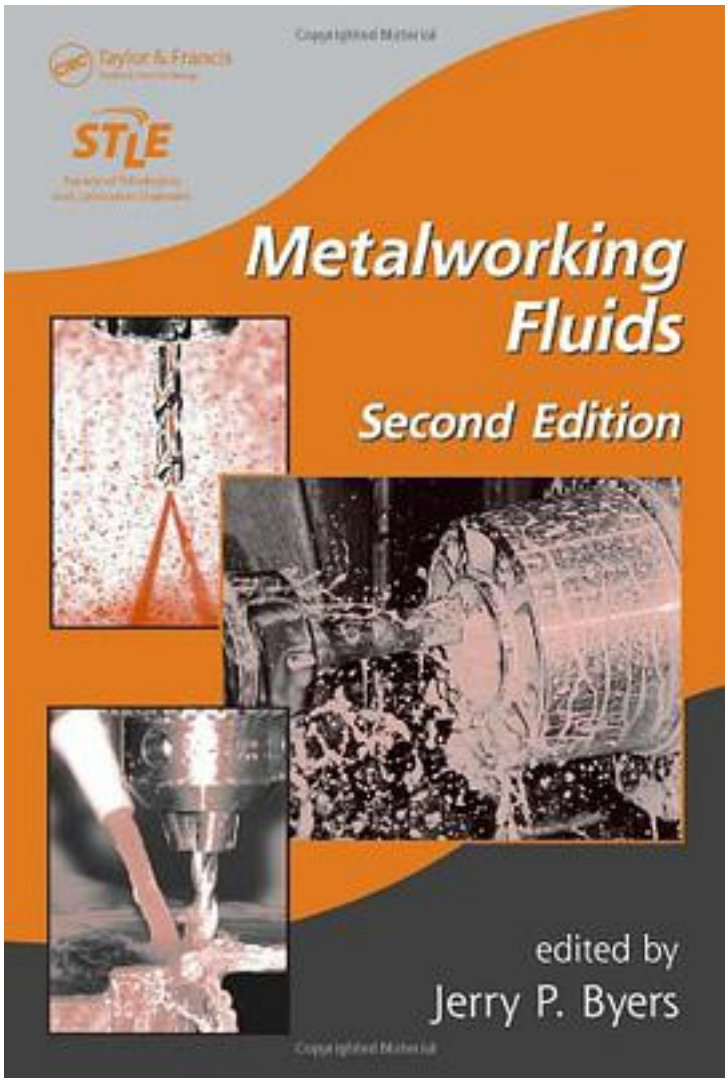
Metalworking Fluids, Second Edition (Manufacturing Engineering and Materials Processing)



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著者:

出版者:CRC Press

出版时间:2006-03-14

装帧:Hardcover

isbn:9781574446890

The use of metalworking fluids benefits nearly every type of manufacturing process, from preventing rust to reducing dust particles and mechanical friction. "Metalworking Fluids, Second Edition" reintroduces the current state of the art in metalworking fluid technology and its applications. More than a decade since the well-received and widely acclaimed publication of the first edition, new and original contributors - including formulators, physicians, college professors, fluids users, industry consultants, and suppliers of both chemicals and equipment - update every chapter, adding fresh topics and addressing the latest trends in their field.Novel topics include evaluating mist levels, microbial and corrosion control, and innovative waste treatments that remove organic contaminants at a lower cost. The book presents new considerations on the health effects of exposure, safety issues, and regulations affecting both manufacture and use of metalworking fluids. It also publishes real-world costs and benefits of metalworking fluids from the perspective of an end-user, available for the first time in the literature. Co-published with the Society of Tribologists and Lubrication Engineers, "Metalworking Fluids, Second Edition" is a timely and modern guide to best practices for using metalworking fluids across a wide range of manufacturing and industrial applications, achieving improved productivity and part quality while reducing manufacturing costs and environmental impact.

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目录:

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