



## The Science and Practice of Welding: Welding Science and Technology v. 1 (Paperback)

By A. C. Davies

CAMBRIDGE UNIVERSITY PRESS, United Kingdom, 1993.

Paperback. Book Condition: New. 10th Revised edition. 224 x 152 mm. Language: English . Brand New Book. The Science and Practice of Welding, now in its tenth edition and published in two volumes, is an introduction to the theory and practice of welding processes and their applications. Volume I, Welding Science and Technology, explains the basic principles of physics, chemistry and metallurgy as applied to welding. The section on electrical principles includes a simple description of the silicon diode and resistor, the production and use of square wave, and one-knob stepless control of welding current. There is a comprehensive section on non-destructive testing (NDR) and destructive testing of welds and crack tip opening displacement testing. The text has been brought completely up to date and now includes a new chapter devoted to the inverter power unit. Duplex stainless steel has been included in the list of materials described.



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