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Nota di contenuto	Front Cover -- Castings -- Copyright Page -- Contents -- Preface -- Dedication -- Introduction -- Chapter 1. The melt -- 1.1 Reactions of the melt with its environment -- 1.2 Transport of gases in melts -- 1.3 Surface film formation -- Chapter 2. Entrainment -- 2.1 Entrainment defects -- 2.2 Entrainment processes -- 2.3 Furling and unfurling -- 2.4 Deactivation of entrained films -- 2.5 Soluble, transient films -- 2.6 Detrainment -- 2.7 Evidence for bifilms -- 2.8 The significance of bifilms -- Chapter 3. Flow -- 3.1 Effect of surface films on filling -- 3.2 Effect of entrained films on filling -- 3.3 Fluidity (maximum fluidity length) Lf -- 3.4 Continuous fluidity -- 3.5 Glossary of symbols -- Chapter 4. The mould -- 4.1 Inert moulds -- 4.2 Aggregate moulds -- 4.3 Mould atmosphere -- 4.4 Mould surface reactions -- 4.5 Metal surface reactions -- Chapter 5. Solidification structure -- 5.1 Heat transfer -- 5.2 Development of matrix structure -- 5.3 Segregation -- 5.4 Aluminium alloys -- 5.5 Cast irons -- 5.6 Steels -- Chapter 6. Gas porosity -- 6.1 Nucleation of gas porosity -- 6.2 Subsurface porosity -- 6.3 Growth of gas pores -- 6.4 Blowholes -- Chapter 7. Solidification shrinkage -- 7.1 General shrinkage behaviour -- 7.2 Solidification shrinkage -- 7.3 Feeding criteria -- 7.4 Feeding - the five mechanisms -- 7.5 Initiation of shrinkage porosity -- 7.6 Growth of shrinkage pores -- 7.7 Final forms of shrinkage porosity -- Chapter 8.

Linear contraction -- 8.1 Uniform contraction -- 8.2 Non-uniform contraction (distortion) -- 8.3 Hot tearing -- 8.4 Cold cracking -- 8.5 Residual stress -- Chapter 9. Structure, defects and properties of the finished casting -- 9.1 Grain size -- 9.2 Dendrite arm spacing -- 9.3 Compact defects -- 9.4 Planar defects -- 9.5 Effects of defects on properties of castings -- 9.6 The statistics of failure.
Chapter 10. Processing -- 10.1 Impregnation -- 10.2 Hot isostatic pressing -- 10.3 Working (forging, rolling and extrusion) -- 10.4 Machining -- 10.5 Painting -- Chapter 11. Environmental interactions -- 11.1 Internal oxidation -- 11.2 Corrosion -- Postscript -- References -- Index.

Sommario/riassunto

This is the key publication for professionals and students in the metallurgy and foundry field. Fully revised and expanded, *Castings* Second Edition covers the latest developments in the understanding of the role of the liquid metal in controlling the properties of cast materials, and indeed, of all metallic materials that have started in the cast form. Practising foundry engineers, designers, and students will find the revealing insights into the behaviour of castings essential in developing their understanding and practice. John Campbell OBE is a leading international figure in the castings industry, with over four decades of experience. He is the originator of the Cosworth Casting Process, the pre-eminent production process for automobile cylinder heads and blocks. He is also co-inventor of both the Baxi Casting Process (now owned by Alcoa) developed in the UK, and the newly emerging Alotech Casting Process in the USA. He is Professor of Casting Technology at the University of Birmingham, UK. * New edition of this internationally respected reference and textbook for engineers and students; * Develops understanding of the concepts and practice of casting operations; * 'Castings' is the key work on castings technology and process metallurgy, and an essential resource on contemporary developments and thinking on the new metallurgy of cast alloys; * Revised and updated throughout, with new material on subjects including surface turbulence, the new theory of entrainment defects including folded film defects, plus the latest concepts of alloy theory.