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Titolo	Practical nitriding and ferritic nitrocarburizing / / David Pye
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Contents -- Preface -- An Introduction to Nitriding -- Why Nitride? -- How Does the Nitriding Process Work? -- Microstructures of Nitrided Iron and Steel -- Furnace Equipment and Control Systems -- Salt Bath Nitriding -- Control of the Compound Zone or White Layer -- Ion Nitriding -- Ion Nitriding Equipment -- Nitriding in Fluidized Beds -- Distortion -- Steels For Nitriding -- Control of the Process Gas in Plasma Conditions -- Processing with Nitriding -- Stop-Off Procedures for Selective Nitriding -- Examination of the Nitrided Case -- Troubleshooting -- What Is Meant by Ferritic Nitrocarburizing? -- Salt Bath Ferritic Nitrocarburizing -- Gaseous Ferritic Nitrocarburizing -- Equipment for Ferritic Nitrocarburizing -- Preparation for Ferritic Nitrocarburizing -- Evaluating the Process -- Index.
Sommario/riassunto	Drawing on his own long career in nitriding, Pye offers a practical rather than academic or theoretical guide to the two related surface modification techniques, for veteran and neophyte engineers and metallurgists. He discusses such aspects as choosing among the many methods and nitridable steels,