1. Record Nr. UNINA9910829921403321 Autore Gutoff Edgar B Titolo Coating and drying defects [[electronic resource]]: troubleshooting operating problems / / Edgar B. Gutoff, Edward D. Cohen; chapter 11 authored by Gerald I. Kheboian Hoboken, N.J., : Wiley-Interscience, c2006 Pubbl/distr/stampa **ISBN** 1-280-72131-6 9786610721313 0-470-04413-6 0-470-04412-8 Edizione [2nd ed.] Descrizione fisica 1 online resource (361 p.) Altri autori (Persone) CohenEdward D KheboianGerald I Disciplina 667.9 667/.9 Coatings - Defects Soggetti Drying Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. COATING AND DRYING DEFECTS: CONTENTS: Preface: Preface to the Nota di contenuto First Edition: About the Authors: 1 Introduction: 2 Troubleshooting or Problem-Solving Procedure; Basic Troubleshooting Principles; Detect the Defect; Define the Defect or Problem; Name the Defect; Problem Statement; Collect and Analyze Additional Data; Process Information; General Process Information; Analytical Data; Standard Operating Procedures: Analyze the Data and Identify Potential Causes of Problem: Eliminate the Problem: Document the Results: Use Results to Prevent Reoccurrence: References 3 Coater and Defect Analytical ToolsOverview of Analytical Tools; Analytical Methods to Characterize Defects: Defect Test Procedures: Video Enhanced Microscopy; Surface Characterization Techniques; Coater Characterization Instruments; Data Loggers; Rheological Measurements; Surface Properties; On-Line Characterization Systems;

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Sommario/riassunto

A practical guide for ensuring a defect-free coating and drying process For professionals in the coating and drying industry, the world is a demanding place. New, technically complex products such as fuel cell membranes, thin film batteries, solar cells, and RFID chips require coatings of extreme precision. With the bar raised so high, understanding how to troubleshoot and eliminate defects on a coating line is an essential skill for all personnel. Coating and Drying Defects, Second Edition provides manufacturing and quality control personnel, equipment operators and supervis