

1. Record Nr.	UNINA9910141216603321
Autore	Land C. M. van 't <1937->
Titolo	Drying in the process industry / / C. M. van't Land
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2012
ISBN	9786613398048 9781283398046 1283398044 9781118105825 1118105826 9781118105818 1118105818 9781118105849 1118105842
Edizione	[1st ed.]
Descrizione fisica	1 online resource (395 p.)
Classificazione	TEC009010
Disciplina	660/.28426
Soggetti	Drying Drying apparatus Chemical processes
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.
Nota di contenuto	Machine generated contents note: Preface.Acknowledgements.1. Introduction.2. Drying as Part of the Overall Process.3. Procedures for choosing a dryer.4. Convective drying.5. Continuous Fluid-Bed Drying. 6. Continuous Direct-Heat Rotary Drying.7. Flash Drying.8. Spray Drying.9. Miscellaneous Continuous Convective Dryers and Convective Batch Dryers.10. Atmospheric contact dryers.11. Vacuum drying.12. Steam Drying.13. Radiation Drying.14. Product Quality and Safeguarding Drying.15. Continuous Moisture-Measurement Methods, Dryer Process Control, and Energy Recovery.16. Gas/Solid Separation Methods.17. Dryer Feeding Equipment.List of symbols.Index.
Sommario/riassunto	"This book assists the process development engineer, the process engineer, and the plant engineer in selecting drying equipment. The criteria to be observed are discussed. The procedure concerning the

selection of an industrial dryer always starts with the gathering of results of relevant laboratory measurements. The next step is carrying out small-scale tests, the results of which can be scaled up. Procedures for sizing equipment are also covered. Written by an author with over four decades in the process industries, this book brings an extensively practical approach for the engineer"--
