

1. Record Nr.	UNINA9910830626503321
Titolo	Kilns and firing [[electronic resource]] : a collection of papers presented at various meetings throughout the U.S. : a collection of papers presented at the 92nd Annual Meeting, April 22-26, 1990, Dallas, TX / / Gregory Powhida, Manager of Continuing Education, the American Ceramic Society ; George Fryburg, President, Ceramic Manufacturing Council
Pubbl/distr/stampa	Westerville, Ohio, : American Ceramic Society, c1990
ISBN	1-282-31489-0 9786612314896 0-470-31310-2 0-470-31575-X
Descrizione fisica	1 online resource (167 p.)
Collana	Ceramic Engineering and Science Proceedings
Altri autori (Persone)	FryburgGeorge A PowhidaGregory
Disciplina	666
Soggetti	Ceramics Ceramic materials Kilns
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	At head of title: Ceramic Manufacturing Council. Issued as: Ceramic engineering & science proceedings, v. 11, no. 11/12, 1990. "Inaugural sessions of the Ceramic Manufacturing Council ... A one-day session by the CMC and a one-day joint session with the Material and Equipment Division"--Foreword.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Ceramic Manufacturing council; Table of Contents; Reduction to Commercial Practice; Efficiency or EPA Compliance-What is the Effect on the Ceramic Industry; Pressure Slip Casting; The Ceramic Industry in the Regulatory Arena; The New, Improved US. Process Patent; Presentation and Panel Discussions on Size Reduction: Vibrating Mills, Stirred Media Mills, Fluid Energy Mills, and Rumbling Mills-A Panel Session; Stirred Ball Mills; Latest Design Considerations for Spray Drying Advanced Ceramics; Quality Assurance a t an Alumina

Calcination Facility: A Continuously Growing Task
Evaluation of an Atmosphere-Controlled Belt Furnace for the Sintering of Nitrogen Ceramics
Furnace Design Considerations for Processing Advanced Ceramic Materials; High-Temperature Hydrogen Sintering of a Ceramic; Dynamic Analysis of Temperature Stress Fields During Pressureless Sintering and Hot-Pressing; Chemical Vapor Deposition (CVD) Furnace Design and Manufacture; Fluid-Bed Furnaces for Ceramic Powder Processing; Radiant Methods of Temperature Measurement; Measurement and Control of Furnace Atmospheres for Ceramic Processing; Advanced Magnetic Power Control for Resistive Loads
Computer Integrated Manufacturing Furnace Installation
Investigation on the Structure and Control System of the Pre-Drying Zone of a Ceramic Roller Hearth Kiln; Bringing Existing Kilns to State-of - the-Art Technology; An Overview of Continuous Electric Kilns; Low Mass Kiln Cars; The Role of Pyrometric Cones and Temperature in the Firing Process; Heating Element Materials for the Ceramics Industry; Author Index; Subject Index

Sommario/riassunto

This volume is part of the Ceramic Engineering and Science Proceeding (CESP) series. This series contains a collection of papers dealing with issues in both traditional ceramics (i.e., glass, whitewares, refractories, and porcelain enamel) and advanced ceramics. Topics covered in the area of advanced ceramic include bioceramics, nanomaterials, composites, solid oxide fuel cells, mechanical properties and structural design, advanced ceramic coatings, ceramic armor, porous ceramics, and more.
