Brown And Sharpe Cmm Users Manual

In-Process Measurement and ControlCRC Press

Vols. for 1970-71 includes manufacturers' catalogs.

An Assessment of the National Institute of Standards and Technology Measurement and Standards Laboratories

Manufacturing Engineering

Gaging, Practical Design and Application

From Rapid Prototyping to Rapid Tooling

Production Engineering

Providing comprehensive, state-of-the-art treatment of all known dimensional measurement devices and techniques, this unique and updated resource is organized into chapters by gage type and function, while individual chapters move from simple to complex, as well as from timeless measurement techniques to the most modern and innovative.

Instrumentation and automatic control systems.

Thomas Register of American Manufacturers and Thomas Register Catalog File

Microcomputers in Education

Machinery

Asiamac Journal

Autofact West: ASSEMBLEX VII, PREDICTIVE MAINTENANCE II, PEMCON, AUALINSPEX II, MATERIALS FLOW II, ROBOTICS

Public Accountability: Evaluating Technology-Based Institutions presents guidelines for evaluating the research performance of technology-based public institutions, and illustrates these guidelines through case studies conducted at one technology-based public institution, the National Institute of Standards and Technology (NIST). The aim of this book is to demonstrate that a clear, more precise response to the question of performance accountability is possible through the systematic application of evaluation methods to document value. The authors begin with a review of the legislative history of fiscal accountability beginning with the Budget and Accounting Act of 1921, and ending with the Government Performance and Results Act of 1993. A discussion of existing applicable economic models, methods, and associated metrics follows. The book concludes with evaluation case studies.

ASM Handbook, Volume 17 is a complete guide to nondestructive evaluation and statistical analysis. It covers the selection, use, and interpretation of nondestructive methods for evaluating the quality of parts and assemblies. The basic principles of each method along with its corresponding capabilities are outlined in 23 separate articles. In addition to detailed information on commonly used methods such as liquid penetrant, magnetic particle, eddy current and radiographic inspection, state-of-the-art developments in digital image enhancement (including color-enhanced images), ultrasonic inspection, tomography, and real-time radiography are also discussed. Hundreds of practical examples highlight the advantages, limitations, and applications of specific techniques. Contents include: Inspection Equipment and Techniques, Methods of Nondestructive Evaluation, Nondestructive Inspection of Specific Products, Quantitative Nondestructive Evaluation, Statistical Methods.

Papers Presented at NAMRC XXII May 25-27, 1994, Northwestern University, Evanston, Illinois

Quality Progress
West's federal supplement. [First Series.]
Fiscal Year 2002
Design News

This assessment of the technical quality and relevance of the programs of the Measurement and Standards Laboratories of the National Institute of Standards and Technology is the work of the 165 members of the National Research Council's (NRC's) Board on Assessment of NIST Programs and its panels. These individuals were chosen by the NRC for their technical expertise, their practical experience in running research programs, and their knowledge of industry's needs in basic measurements and standards. This assessment addresses the following: - The technical merit of the laboratory programs relative to the state of the art worldwide; - The effectiveness with which the laboratory programs are carried out and the results disseminated to their customers; - The relevance of the laboratory programs to the needs of their customers; and - The ability of the laboratories' facilities, equipment, and human resources to enable the laboratories to fulfill their mission and meet their customers' needs.

Flexibility, specialization, and niche marketing are buzzwords in the business literature these days, yet few realize that it was these elements that helped the United States first emerge as a global manufacturing leader between the Civil War and World War I. The huge mass production-based businesses--steel, oil, and autos--have long been given sole credit for this emergence. In Endless Novelty, Philip Scranton boldly recasts the history of this vital episode in the development of American business, known as the nation's second industrial revolution, by considering the crucial impact of trades featuring specialty, not standardized, production. Scranton takes us on a grand tour through American specialty firms and districts, where, for example, we meet printers and jewelry makers in New York and Providence, furniture builders in Grand Rapids, and tool specialists in Cincinnati. Throughout he highlights the benevolent as well as the strained relationships between workers and proprietors, the lively interactions among entrepreneurs and city leaders, and the personal achievements of industrial engineers like Frederic W. Taylor. Scranton shows that in sectors producing goods such as furniture, jewelry, machine tools, and electrical equipment, firms made goods to order or in batches, and industrial districts and networks flourished, creating millions of jobs. These enterprises relied on flexibility, skilled labor, close interactions with clients, suppliers, and rivals, and opportunistic pricing to generate profit streams. They built interfirm alliances to manage markets and fashioned specialized institutions--trade schools, industrial banks, labor bureaus, and sales consortia. In creating regional synergies and economies of scope and diversity, the approaches of these industrial firms represent the inverse of mass production. Challenging views of company organization that have come to dominate the business world in the United States, Endless Novelty will appeal to historians, business leaders, and to anyone curious about the structure of American industry.

Machinery and Production Engineering
Metals Handbook

Handbook of Dimensional Measurement
Quality Today
Research & Development

This text presents the latest technology for assessing the performance of machine tools, coordinate measuring machines and robotics. It also details procedures involving international calibration, certification and standardization, and introduces the gear and transmission metrology section.

Since John Bosch edited and published the first version of this book in 1995, the world of manufacturing and coordinate measuring machines (CMMs) and coordinate measuring systems (CMSs) has changed considerably. However, the basic physics of the machines has not changed in essence but have become more deeply understood. Completely revised and updat

Evaluating Technology-Based Institutions

American Machinist & Automated Manufacturing

Machine Design

Stereolithography and Other RP&M Technologies

AM.

Gathers in one place descriptions of NIST's many programs, products, services, and research projects, along with contact names, phone numbers, and e-mail and World Wide Web addresses for further information. It is divided into chapters covering each of NIST's major operating units. In addition, each chapter on laboratory programs includes subheadings for NIST organizational division or subject areas. Covers: electronics and electrical engineering; manufacturing engineering; chemical science and technology; physics; materials science and engineering; building and fire research and information technology.

Written by personnel from North American suppliers of commercially available RPandM systems, the volume updates the state of the technology, and emphasizes the user advantages in terms of cost, market speed, and quality. Topics include: advances in stereolithography photopolymer systems; stereolithography hardware and software technology; parts accuracy; QuickCast development, foundry experience and application; RPandM applications at Sandia National Laboratories; the soft tooling, hard tooling, and special applications of RPandM; and laminated object manufacturing. Includes a chapter on service bureaus and also a directory. Annotation copyright by Book News, Inc., Portland, OR

A Technology Transfer Study

Endless Novelty

Iron Age

Chilton's Iron Age

Industrial Engineering

This book attempts to encompass in-process measurement and control holistically as opposed to dealing with the bits and pieces. It discusses various types of sensors and strategies for using the data derived from the sensors in a closed-loop feedback arrangement.

Technical Paper

AM & P.

Automotive Production
Specialty Production and American Industrialization, 1865-1925