

Exploration of Application and Practice of Numerical Control Technology in Machine Manufacturing

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Abstract. With improvement of computer technology and digital technology level, the superiority of numerical control technology application in machine manufacturing gradually stands out. Numerical control technology optimizes equipment effect and quality, promotes market competitiveness of enterprises and drives leapfrog development of machine manufacturing industry. This paper briefly analyzes operation model of numerical control technology and discusses application process and development trend of numerical control technology in machine manufacturing so as to offer valuable reference for technical management personnel in machine manufacturing project.

Introduction

The development of modern machine manufacturing project presents a coercive trend. Traditional technological parameters and operation technology cannot adapt the demand of new products. Thus, relevant researchers need to establish complete technology upgrade planning according to actual conditions, and apply development framework of numerical control technology to promote actual quality of machine manufacturing. Equipment operating efficiency can improve, and products manufactured can conform to quality standards. In addition, numerical control technology can smoothly promote fusion of technology project and industrial development, enhance machine manufacturing structure level and boost market competitiveness of enterprises.

Overview of numerical control technology

Development history of numerical control technology

Development history of numerical control technology has presented high-speed development state in recent years. In about 1938, fast data operation and transmission project also showed a rapid development trend, which laid the operation foundation for computer numerical control technology. In 1952, the first set of numerical control machine tool was born in machinery industry.

Connotation and operation principle of numerical control technology

During studying numerical control technology, it is required to guarantee integrity of relevant operation parameter and structure, and start from technical level of numerical control technology in order to achieve entire technical parameter upgrade. Numerical control technology mainly utilizes computer technology and traditional machining process to enhance control of construction process. In technical operation process, operation mechanism of machinery project improves with the help of speed control, angle control and position control to make sure the operation framework of numerical control technology complies with actual project demand. In addition, the wide operation range of numerical control technology is based on its high efficiency and high precision advantages. Numerical control technology can effectively promote automation process and ensure important value of modern integration system.

Moreover, in order to achieve effective fusion of numerical control operation and computer technology, it is required to make sure smooth implementation of automatic control and machine manufacturing operation with the help of electric drive and precise measurement structure in the

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Numerical Control: Practice and Application W. J. Patton, 1972 **Technical Report on Occupations in Numerically Controlled Metal-cutting Machining** United States Employment Service, 1968 Collection of job descriptions in respect of machine operators of various machine tools incorporating numerical control devices automatic control in the metalworking industry in the USA Selected bibliography on job analysis occupational titles etc Pp 90 and 91 Use of Numerically Controlled Equipment Can Increase Productivity in Defense Plants, Department of Defense United States. General Accounting Office, 1975 Numerical Control of Machine Tools United States. Bureau of Adult, Vocational, and Technical Education, United States. Office of Education, 1970 **Fabricating Architecture** Robert Corser, 2012-03-20 In this increasingly digitized world any investigation of architecture inevitably leads to considerations of fabrication But despite its omnipresence in contemporary practice and theory digital design remains a fluid concept its development and current influence discussed in scattered articles **Computer Numerical Control of Machine Tools** G E THYER, 2014-06-28 This is a comprehensive textbook catering for BTEC students at NIII and Higher National levels advanced City and Guilds courses and the early years of degree courses It is also ideal for use in industrial retraining and post experience programmes

Library of Congress Subject Headings Library of Congress, Library of Congress. Subject Cataloging Division, Library of Congress. Office for Subject Cataloging Policy, 2013 *Workshop Processes, Practices and Materials* Bruce J. Black, 2015-03-27 Workshop Processes Practices and Materials is an ideal introduction for entry level engineers and workshop technicians as well as engineering university students with little or no practical experience With detailed illustrations throughout and simple clear language this is a practical introduction to what can be a very complex subject It has been significantly updated and revised to include new material on current Health and Safety legislation gauging and digital measuring instruments as well as modern measuring techniques such as laser scan micrometer co ordinate and visual measuring systems A new chapter on an introduction to CNC milling and turning has been added This book covers all standard workshop topics including safe practices measuring equipment hand and machine tools metal and plastics materials joining methods including welding presswork primary forming casting and moving loads making it an indispensable handbook for use both in class and the workshop Its broad coverage makes it a useful reference book for many different courses worldwide Health and Safety chapter covers current best practice and has been checked by a certified health and safety examiner Addition of modern measuring techniques using laser scan micrometer co ordinate and visual measuring systems Addition of an introduction to CNC milling and turning Principles and Practices of CAD/CAM Vikram Sharma, Vikrant Sharma, Om Ji Shukla, 2023-12-18 CAD CAM systems are perhaps the most crucial advancement in the field of new technology relating to engineering design and drawing in all technical domains CAD CAM stands for computer aided design and computer aided manufacturing These systems are useful in all facets of contemporary design and architecture

The fundamentals of CAD CAM systems are covered in detail throughout this book This book aims to introduce the fundamental aspects complete with an adequate number of illustrations and examples without delving too deeply into the specifics of the subject matter This book is valuable in the classroom for both teachers and students Features Each chapter begins with the Learning Outcomes LOs section which highlights the critical points of that chapter All LOs solved examples and questions are mapped to six Bloom Taxonomy levels BT levels Offers fundamental concepts of CAD CAM without becoming too complicated Solved examples are presented in each section after the theoretical discussion to clarify the concept of that section Chapter end summaries reinforce key ideas and help readers recall the concepts discussed Students and professionals need to have a working knowledge of CAD CAM since it has many applications and continues to expand Students at the undergraduate and graduate levels of engineering courses use this book as their primary textbook It will also be helpful for managers consultants and professionals

An Introductory Guide to EC Competition Law and Practice

Valentine Korah, 1994 *Introduction to Numerical Control* United States. Congress. Senate. Select Committee on Small Business. Subcommittee on Science and Technology, 1971

3D Imaging—Multidimensional Signal Processing and Deep Learning Srikanta Patnaik, Roumen Kountchev, Yonghang Tai, Roumiana Kountcheva, 2023-04-27 This book presents high quality research in the field of 3D imaging technology The fourth edition of International Conference on 3D Imaging Technology 3DDIT MSP DL continues the good traditions already established by the first three editions of the conference to provide a wide scientific forum for researchers academia and practitioners to exchange newest ideas and recent achievements in all aspects of image processing and analysis together with their contemporary applications The conference proceedings are published in 2 volumes The main topics of the papers comprise famous trends as 3D image representation 3D image technology 3D images and graphics and computing and 3D information technology In these proceedings special attention is paid at the 3D tensor image representation the 3D content generation technologies big data analysis and also deep learning artificial intelligence the 3D image analysis and video understanding the 3D virtual and augmented reality and many related areas The first volume contains papers in 3D image processing transforms and technologies The second volume is about computing and information technologies computer images and graphics and related applications The two volumes of the book cover a wide area of the aspects of the contemporary multidimensional imaging and the related future trends from data acquisition to real world applications based on various techniques and theoretical approaches

Proceedings of the Joint Automatic Control Conference, 1981 Information Technology: Impacts, Policies and Future Perspectives Frieder Meyer-Krahmer, Jürgen Müller, Brigitte Preißl, 2012-12-06 Economical and political aspects of information technology in Europe and Japan are dealt with in this book European and Japanese technology policies the possibilities of cooperation on all economic and business levels as well as future perspectives on world information markets from the Japanese and European points of view form the priority areas of the book Special attention is given to the case study of a Swiss Japanese

business cooperation with many practical references an analysis of East European information markets and the relations between Europe and Japan from the viewpoint of the USA The reader is given an insight into new developments in the information technology markets in Europe and Japan as well as into the economic and political framework within which the developments are taking place

Library of Congress Subject Headings Library of Congress. Office for Subject Cataloging Policy,1992

Resources in Education ,1999

Proceedings of the 1981 Joint Automatic Control Conference, June 17-19, 1981, University of Virginia, Charlottesville, Virginia ,1981

America's Industrial and Occupational Manpower Requirements, 1964-75 United States. Bureau of Labor Statistics,1967 Report on a survey of labour demand in the USA up to 1975 includes industrial workers and other workers and covers methodology of the survey trends by industry and sector of the occupational structure the economic implications factors of occupational patterns technological change government policy supply and demand etc employment opportunities for Blacks the woman worker older workers young workers etc Statistical tables and references

The outlook for technological change and employment United States. National Commission on Technology, Automation, and Economic Progress,1966

Technology and the American Economy United States. National Commission on Technology, Automation, and Economic Progress,1966

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