

Process and Product Monitoring in the Drilling of Critical Aero Engine Components



Filesize: 3.66 MB

Reviews

*The most effective book i ever read through. It can be rally fascinating throgh looking at time period. Your lifestyle span will be enhance when you complete looking over this publication.
(Maribel Kerluke)*

PROCESS AND PRODUCT MONITORING IN THE DRILLING OF CRITICAL AERO ENGINE COMPONENTS

[DOWNLOAD](#)

Apprimus Wissenschaftsver Mrz 2013, 2013. Taschenbuch. Book Condition: Neu. 208x146x10 mm. Neuware - Major objective of this thesis was the attempt to find an answer to the question, if under specified boundary conditions signals generated with state of the art monitoring solutions allow an interpretation of the generated part quality during the manufacture of critical aero engine components. It is shown in the state of the art of this thesis, that process monitoring systems are widely used in modern production systems. Their major focus is set onto cutting and machine tool condition monitoring solutions. Various sensor solutions are on the market to monitor manufacturing and production system, but up to now no direct link to the parts quality with the aid of sensor and monitoring systems has been made. Following the need that sensor and monitoring solutions have to be implemented into a rather rough production environment, it is asked, how these environmental issues are influencing the robustness and reliability of the process monitoring system. This question is discussed in this work, where first non-machining related key process variables are defined and analyzed. Following this, the question is raised if major machining characteristics of a drilling process can be monitored and interpreted in such a way, that a correlation to the machined components quality is possible. To answer this, pure machining related anomalies and their influence on sensor signals are discussed. This is undertaken on drilling processes for the two relevant alloys of this thesis, TiAl6V4 and Inconel 718. A broad range of process characteristics and abnormal behavior during a drilling process is identified and described with corresponding sensor signals. A possible evaluation for the creation of signal features is given as an example. Furthermore, an attempt is made to create a correlation of sensor signals to the life of...



[Read Process and Product Monitoring in the Drilling of Critical Aero Engine Components Online](#)



[Download PDF Process and Product Monitoring in the Drilling of Critical Aero Engine Components](#)

You May Also Like



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

[Download eBook »](#)



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

[Download eBook »](#)



California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package

Pearson, United States, 2015. Loose-leaf. Book Condition: New. 10th. 249 x 201 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies...

[Download eBook »](#)



Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download...

[Download eBook »](#)



Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package

Pearson, United States, 2015. Book. Book Condition: New. 10th. 250 x 189 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies...

[Download eBook »](#)



Would It Kill You to Stop Doing That?

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years

[Read ePub »](#)



Found around the world : pay attention to safety(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2013-04-01 Pages: 24 Publisher: Popular Science Press How to ensure online

[Read ePub »](#)



You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most

Sourcebooks, Inc. Paperback / softback. Book Condition: new. BRAND NEW, You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most, Patricia Hermes, Thirteen-year-old Sarah Morrow doesn't think much of the

[Read ePub »](#)



I Wish My Teacher Knew: How One Question Can Change Everything for Our Kids (Hardback)

The Perseus Books Group, United States, 2016. Hardback. Book Condition: New. 210 x 140 mm. Language: English . Brand New Book. One day, third-grade teacher Kyle Schwartz asked her students to fill-in-the-blank in this sentence:

[Read ePub »](#)



How to Make a Free Website for Kids (Paperback)

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Table of Contents Preface Chapter # 1: Benefits of Having a Website Chapter

[Read ePub »](#)